

SERVICE MANUAL

REAR PROJECTION TELEVISION

AV-48WP55/HP, AV-56WP55/HP, AV-65WP55/HP BASIC CHASSIS

RP

Supplementary

The following items for the AV-48WP55/HP, AV-56WP55/HP and AV-65WP55/HP were changed partly from AV-48WP55/H, AV-56WP55/H and AV-65WP55/H.

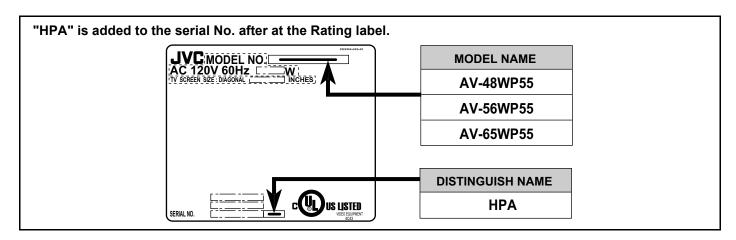
Therefore, this service manual describes only the items which differ from those of the AV-48WP55/H, AV-56WP55/H and AV-65WP55/H service manual.

For details other than those described in this manual, please refer to the AV-48WP55/H, AV-56WP55/H and AV-65WP55/H service manual (No.YA097, 2004/5).

OUTLINE

Since the production place of PWB ASS'Y was changed, we have issued the SERVICE MANUAL for AV-48WP55/HP, AV-56WP55/HP and AV-65WP55/HP.

HOW TO IDENTIFY MODELS



DIFFERENCE LIST

USING P.W. BOARD (Page 3-2)

P.W.B ASS'Y Name	AV-48WP55/H AV-56WP55/H	AV-48WP55/HP AV-56WP55/HP	DESCRIPTION
MI-COM & DIST MODULE P.W.B SRP0D001A-M2		LCA10417-03A (SRP0D001AJSC)	Compatible

P.W.B ASS'Y Name	AV-65WP55/H	AV-65WP55/HP	DESCRIPTION
MI-COM & DIST MODULE P.W.B	SRP0D001C-M2	LCA10417-03A (SRP0D001CJSC)	Compatible
DIGITAL CONVERGENCE MODULE P.W.B	SRP0K014A-M2	SRP0K013A-M2	Compatible

EXPLODED VIEW PARTS LIST (Page 3-4)

		Part No.				
A	Ref. No.	AV-48WP55/H AV-56WP55/H	AV-48WP55/HP AV-56WP55/HP	PART NAME	DESCRIPTION	
		AT COM COM	AT 00111 00/111			
Φ	305	SRP0D001A-M2	LCA10417-03A	MI-COM & DIST MODULE PWB	Compatible	

Λ	Ref. No.	Part	No.	PART NAME	DESCRIPTION	
233	Kei. No.	AV-65WP55/H	AV-65WP55/HP	FANT NAME		
$\mathbf{\Psi}$	304	SRP0K014A-M2	SRP0K013A-M2	DIGITAL CONVERGENCE MODULE PWB	Compatible	
Φ	305	SRP0D001A-M2	LCA10417-03A	MI-COM & DIST MODULE PWB	Compatible	

SECTION 1 PRECAUTION

Please refer to "AV-48WP55/H, AV-56WP55/H and AV-65WP55/H (No.YA097)" about this section.

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Please refer to "AV-48WP55/H, AV-56WP55/H and AV-65WP55/H (No.YA097)" about this section.

SECTION 3 DISASSEMBLY

Please refer to "AV-48WP55/H, AV-56WP55/H and AV-65WP55/H (No.YA097)" about this section.

SECTION 4 ADJUSTMENT

Please refer to "AV-48WP55/H, AV-56WP55/H and AV-65WP55/H (No.YA097)" about this section.

SECTION 5 TROUBLESHOOTING

Please refer to "AV-48WP55/H, AV-56WP55/H and AV-65WP55/H (No.YA097)" about this section.





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JVC

SERVICE MANUAL

REAR PROJECTION TELEVISION

AV-48WP55/H, AV-56WP55/H, AV-65WP55/H



BASIC CHASSIS

RP



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SPECIFICATION

Items	<u> </u>		Contents				
		AV-48WP55	AV-56WP55	AV-65WP55			
Dimensions (W × H × D))	120cm × 124cm × 60.8cm (47-1/4" × 49" × 24")		156.6cm × 149.5cm × 72.8cm (61-3/4" × 58-7/8" × 28-3/4")			
Mass		82 kg (181 lbs)	93.2 kg (205.7 lbs)	108.7 kg (239.7 lbs)			
TV RF System		CCIR (M)	cog (_ coc)	g (,)			
Color System		NTSC					
Sound System		BTSC system (Multi Channel Sound)					
Teletext System		Closed caption (T1-T4 / CC1-					
Receiving Channels	VHELOW	02ch~06ch : 54MHz~88MHz	-664)				
and Frequency	VHF High	07ch~13ch : 174MHz~216MH 14ch~69ch : 470MHz~806MH					
CATV Receiving Channels and Frequency	CATV	54MHz~804MHz Low Band: 02~06 High Band: 07~13 Mid Band: A~I by 14~22 Super Band: J~W by 23~36 Hyper Band: W+1~W+28 by 37~64 Ultra Band: W+29~W+58, W+59~W+84 by 65~94, 100~125 Sub Mid Band: A-8, A-4~A-1 by 01, 96~99					
TV / CATV Total Chanr	nel	180 Channels					
Intermediate		45.75MHz					
Frequency		41.25MHz (4.5MHz)					
Color Sub Carrier		3.58MHz					
Power Input		AC 120V, 60Hz					
Power Consumption		248W (Max)					
Screen		Transparent screen (unitized fresnel lens / double lenticular lens)					
Screen Size		48" (122cm)	56" (142cm)	65" (165cm)			
OCCUPATION OF THE PROPERTY OF		Measured diagonally 16:9 ratio (W:106.3 cm, H:59.8 cm)	Measured diagonally 16:9 ratio (W:124 cm, H:69.8 cm)	Measured diagonally 16:9 ratio (W:143.9 cm, H:81.0 cm)			
Projection Tube		17cm (6.7") tube × 3 (R/G/B)				
High Voltage		31kV+1.0kV/-1.3kV (at zero b	peam current)				
Speaker		13cm round type × 2	•				
Audio Power Output		10W+10W					
Antenna Terminal		75Ω unbalanced, F-type conr	nector × 1				
External Input (1/2/3/4)	480i/480p S-Video	RCA pin jack \times 6 Y: 1V (p-p) (Sync signal: \pm 0. Pb/Pr: \pm 0.35V, 75Ω Y: 1V (p-p) Positive (Negativ Pb/Pr: 0.7V, 75Ω Mini-DIN 4pin \times 3	35V, 3-value sync.), 75 Ω re sync provided), 75 Ω				
	Video Audio	Y: 1V (p-p) positive (negative sync provided), 75Ω C: 0.286V(p-p) (burst signal) 1V (p-p) positive (negative sync provided), 75Ω (RCA pin jack \times 4) 500mV(rms) (-4dBs), high impedance (RCA pin jack \times 9)					
Digital Input [AV-65WP55]		Digital : HDMI connector	compatible with computer signal, high impedance (RCA pin ja				
Audio Output (FIX)		Analog : 500mV(rms) (-4dBs), high impedance (RCA pin jack × 2) 500mV(rms) (-4dBs), low impedance (1kHz when modulated 100%) (RCA pin jack × 2)					
AV Compulink III		3.5mm mini jack × 1					
Remote Control Unit		RM-C1257G (AA/R6/UM-3 ba	attery × 2)				

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (♠) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) Use isolation transformer when hot chassis.

The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

- (5) Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.

 Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND, the ISOLATED (NEUTRAL): (⅓) side GND and EARTH: (⅓) side GND.

 Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).
- (7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
- (8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a $10 k\Omega$ 2W resistor to the anode button.
- (9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(.... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

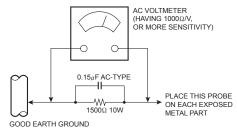
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

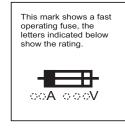
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a $0.15\mu F$ AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

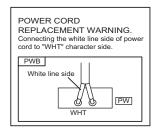
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly. See item "How to check the high voltage hold down circuit".





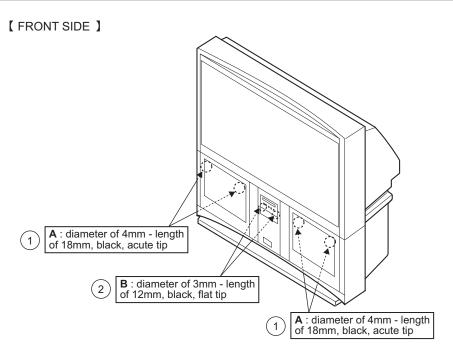
1.2 INSTALLATION [AV-65WP55]

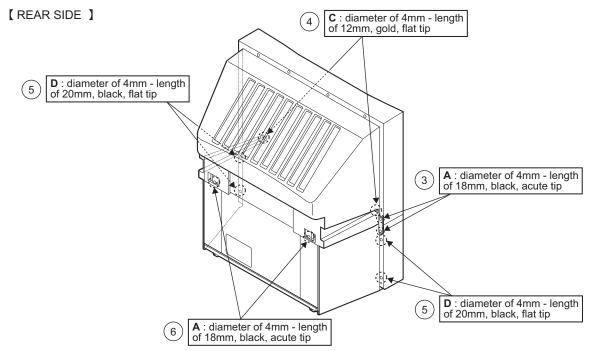
1.2.1 REMOVING THE UPPER UNIT FROM THE LOWER UNIT

1.2.1.1 TYPES AND PLACES OF SCREWS

· Be careful not to confuse the following four types of screws.

Туре	Ref.	Place for attaching screws	Quantity	Color	Shape	
Α	1	Front panel bracket	4			
Α	3	Rear cover bracket	2	Black	diameter of 4mm-length of 18mm, acute tip	(mm
Α	6	Rear cover (for attaching the body)	2			
В		Inside the Front door (in the jack part)	2	Black	diameter of 3mm-length of 12mm, flat tip	(
С	4	Rear cover (for attaching the body bracket)	2	Gold	diameter of 4mm-length of 12mm, flat tip	()######
D	⑤	Rear cover (for attaching the speaker panel)	4	Black	diameter of 4mm-length of 20mm, flat tip	(Jummum





1.2.1.2 DISASSEMBLY PROCEDURE

- Make sure that the power cord is pulled out from the AC wall socket.
 - (1) Remove the 2 screws [A] on the left rear side of the set, and then remove the rear cover bracket. [Fig.1]
 - (2) Remove the 2 screws [B] inside of the front door. [Fig.2] * The screws attach the speaker grill.
 - (3) Remove the 2 screws [D] on the left edge of the rear cover, and remove the 2 screws [D] on the right edge of the rear cover. [Fig.2]
 - * The screws attach the speaker grill.
 - (4) Pull the speaker grill in front direction, and remove the speaker grill. [Fig.2]
 - (5) Remove the 2 screws [A] on the left front panel bracket, and remove the 2 screws [A] on the right front panel bracket. [Fig.2]
 - (6) Remove 1 screw [C] on the left edge of the rear cover, and 1 screw [C] on the right edge of the rear cover. [Fig.3]
 - (7) Remove 1 screw [A] on the left side of the rear cover, and remove 1 screw [A] on the right side of the rear cover. [Fig.3]
 - (8) Move the rear cover approx. 3cm in rear direction. Then, remove the upper unit from the lower unit by lifting the upper unit slowly. [Fig.3]
 - VOID seal [a] attached to the left front panel bracket in order to confirm that a person except JVC installation workers has disassembled the set. This seal is removed when the upper unit is removed, and the letters of "VOID" appears in the place where the seal. [Fig.2]
 - Two or more people are required to move the upper unit.
 - Reflecting mirror is attached to the upper unit. So, handle it carefully so as to protect it from shocks.
 - In placing the upper unit on the ground, be careful not to insert the connector for the auto-convergence on the right side of the upper unit between the upper unit and the ground.
 - In placing the upper unit on the ground, be careful not to insert dust inside the upper unit.
 - Be careful not to hurt yourself because metal brackets for attaching the front panel are on the ceiling part of the lower unit.
 - (9) Cover the lower unit with the Top Sheet in order not to insert dust in the lower unit. Top Sheet is the one used for package. [Fig.4]

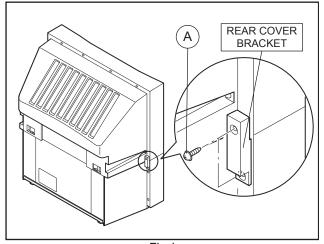


Fig.1

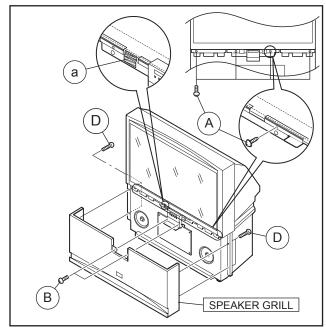


Fig.2

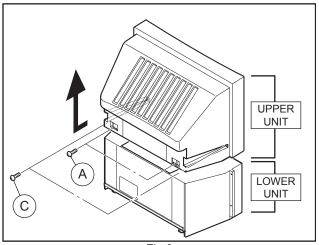
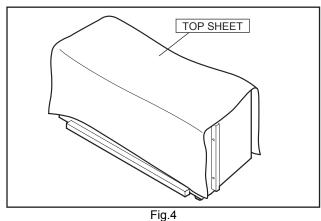


Fig.3



1.2.1.3 REASSEMBLY PROCEDURE

- Make sure that power cord is pulled out from the AC wall socket.
- · Remove the Top Sheet which covers the lower unit.
 - (1) Lift the upper unit slowly, and then place the upper unit on the lower unit.
 - In placing the upper unit on the lower unit, be careful not to insert the connector for the auto-convergence on the left side of the upper unit between the upper unit and the lower unit.
 - (2) Adjust the front side of the upper unit to the brackets on the lower unit for attaching the upper unit.
 - (3) Attach 2 screws [A] to the both side of the rear cover. [Fig.2]
 - (4) Attach 2 screws [A] to the both edge of the rear cover. [Fig.2]
 - (5) Attach the 4 screws [A] to the front panel bracket. [Fig.2]
 - (6) Attach the VOID seal [b] on the front right side of the set to the right front panel bracket. [Fig.5]
 - (7) Attach the 2 screws [B] to the front door. [Fig.2]
 - (8) Attach the speaker grill to the front side.
 - (9) Attach 4 screws [D] to the both edge of the rear cover. [Fig.2]
- (10) Attach the 2 screws [B] to the front door.[Fig.2]
 - Make sure that all the screws are attached certainly in order to fix the upper unit.
 - After assembly procedure is completed, make sure that there is no dust in the inner side of the screen.

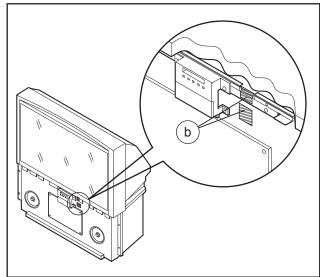
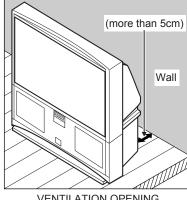


Fig.5

1.2.2 INSTALLATION SITE

- (1) The rear of this set is provided with ventilation openings. Install the set more than 5 cm from a wall and in a location with good ventilation.
- (2) Avoid the following types of locations.
 - a) Unstable locations (location must be able to withstand heavy weight).
 - b) Locations subjected to direct sunlight.
 - c) Near stoves or other heating devices.
 - d) Locations subjected to humidity or oily smoke.
 - e) Dusty locations.
 - f) Locations with strong vibration.



VENTILATION OPENING

1.2.3 INSTALLATION ADJUSTMENT

When installing, moving or changing the orientation of the set, perform static convergence adjustment according to the following procedure.

Adjusting CRT color convergence have MANUAL and RESET. It adjust on the MENU screen.

Please have you TV on for at least 20 minutes before sing this feature.

This adjustment will be needed only when the colors of the characters/lines are separated and lack in distinction. If not, please don't perform the adjustment.

MANUAL

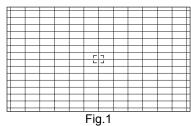
- (1) Press the [MENU] key, and select "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
- (2) Press the [function left/right] key, the CONVERGENCE menu appears.
- (3) Press the [function up/down] key, and select the "MANUAL".
- (4) Press the [function left/right] key, then CONVERGENCE adjustment screen appear. [Fig.1]
 - · If all the crosses are white, no convergence adjustment is needed.
- (5) Select the location you want to adjust by using the [number (2/4/5/6/8)] keys on the remote control unit. [Fig.2]
- (6) Press the [SELECT] key to change the color of the box to the color of the cross you want to adjust (red or blue).
 - · You cannot adjust the green cross.
- (7) Use the [function up/down] key and the [function left/ right] keys to adjust the position of the cross.
- (8) Adjust the three colors crosses until they overlap and appear as a single white cross.
- (9) Press the [OK] key.

NOTE:

- · When you adjust the convergence, make sure you start with the center position (position 5), and work your way around radial for best results.
- · When you make the adjustment in the center (positions 5), you are making the adjustment for the whale screen. In other positions, you are making the adjustment only in that area.
- · You can reset the adjustment if you do not like the results, See below.
- (10) Press the [menu] key to end the convergence adjustment procedure.

RESET

RESET in the CONVERGENCE menu resets all convergence adjustments to the factory default setting.



[5] Fig.2

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

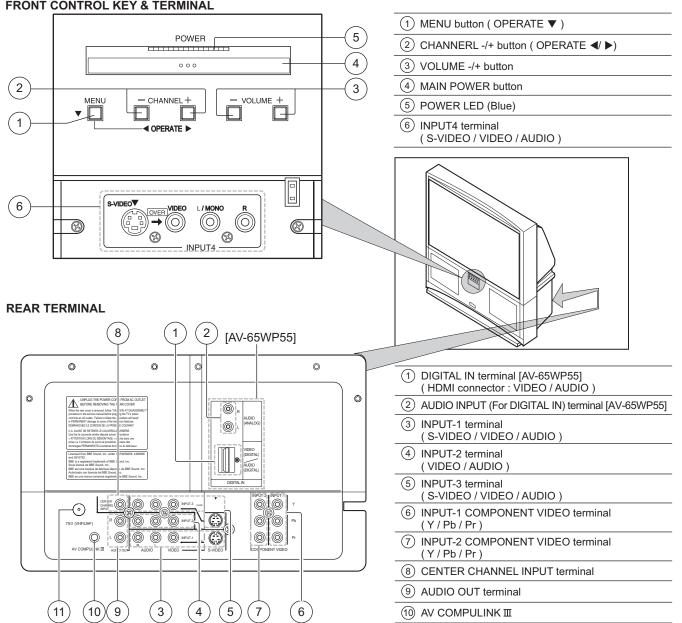
- · Rear Projection HDTV.
- 3-2 PULL DOWN: You can enjoy DVD movies at the highest picture quality.
- MOTION COMPENSATION: With this function, the seamless reproduction of dynamic motion on the screen has been realized.
- Bullet-in DSD (Digital Super Detail) circuit and 3 dimension Y/C separate circuit.
- Receive DTV broadcast (1080i / 720p / 480p / 480i)
- Built-in Component (Y / Pb / Pr) input.
- · Built-in A.H.S. circuit.

2.2 DIFFERENCE LIST

Item AV-48WP55		AV-56WP55	AV-65WP55	
DIGITAL INPUT TERMINAL			available	

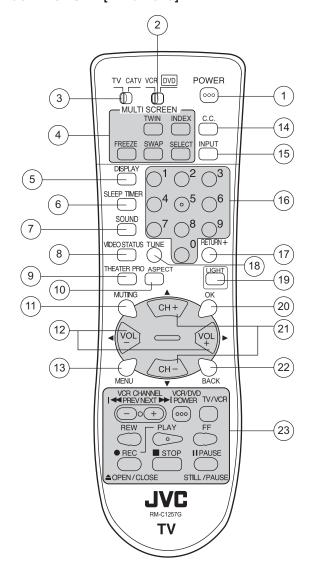
2.3 FUNCTIONS





(11) Antenna terminal (VHF / UHF)

REMOTE CONTROL UNIT [RM-C1257G]



1 POWER key 2 VCR / DVD switch 3 TV / CATV switch (4) MULTI SCREEN operation keys 5 DISPLAY key (6) SLEEP TIMER key 7 SOUND key 8 VIDEO STATUS key 9 THEATER PRO key 10 ASPECT key (11) MUTING key (memory key) 12 VOL+/- (**4** / **▶**) keys 13 MENU key (14) C.C.(Closed Caption) key (15) INPUT key 16 Number (1~0) keys (17) RETURN+ key 18 TUNE key 19 LIGHT key (20) OK key (21) CH+/- (▲/▼) keys 22 BACK key 23) VCR / DVD operation keys

2.4 TECHNICAL INFORMATION

2.4.1 MAIN MICRO COMPUTER (CPU) FUNCTION (MN102H75K)

Pin No.	Pin name	I/O	Function
1	NC	0	
2	/MICON_V	ı	V.sync for OSD
3	LB_PRO	I	Low B protection detection [Protection:H]
4	NC	-	
5	/RST	ı	Main CPU reset [Reset:L]
6	NC	0	
7	/TEST	1	+3.3V
8	OSD_YS	0	OSD Ys (blanking)
9	SDA4	I/O	I ² C bus (data) for JCC5055
10	NC	0	
11	A_MU	0	Audio muting [Muting:H]
12	/MICON_H	ı	H sync for OSD
13	NC	0	
14	P46,OSDXI	ı	Oscillation for OSD
15	P45,OSDXO	0	Oscillation for OSD
16	SDA2	I/O	I ² C bus (data) for MTS
17	AC-IN	ı	AC for timer count
18	SCL2	0	I ² C bus (clock) for MTS
19	NC	0	
20	VCOI	ı	LPF
21	PDO	0	LPF
22	/IP_RESET	0	Reset for DIST [Reset:L]
23	OSD_YM	0	OSD Ym (transparence)
24	OSD_B	0	OSD blue
25	POWER_LED	0	Lighting for POWER LED [HIGH / ON:H]
26	OSD_G	0	OSD green
27	OSD_R	0	OSD red
28	VREF	I	Reference voltage for OSD
29	IP_ERR	I	DIST program load detect.
30	IREF	I	Reference current for OSD
31	COMP	I	Phase adjust for OSD
32	AVDD	I	+3.3V
33	CLL	ı	Clamp low level
34	VREFLS	I	Reference voltage for SUB CCD
35	SUB_CCD	I	Video for sub closed caption decoder
36	NC	-	
37	VSS	ı	GND
38	MAIN_CCD	I	Video for main closed caption decorder
39	VREFHS	I	Reference voltage for MAIN CCD
40	CLH	I	Clamp high level
41	VDD/VPP	ı	+3.3V
42	SCL4	0	I ² C bus (data) for JCC5055

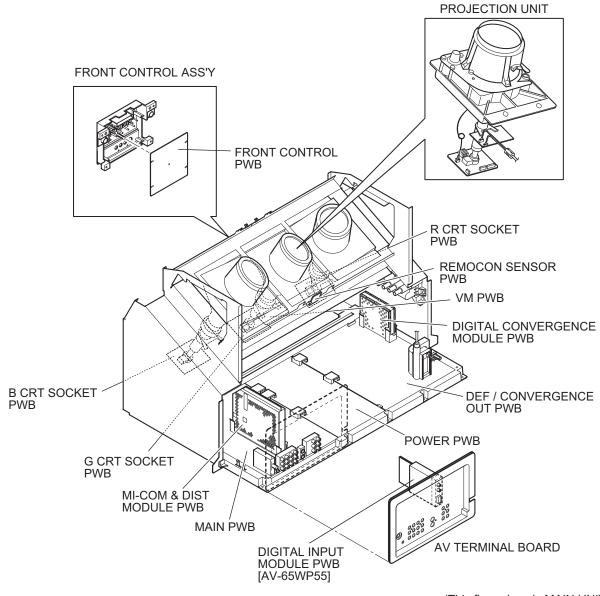
Pin No.	Pin name	I/O	Function	
43	NC	0		
44	ON_TIM	0	Lighting for on timer operating [LOW / ON:H]	
45	SBO 0	0	Convergence control [RXD]	
46	SBD 0	I	Convergence control [TXD]	
47	SBT1	I		
48	AP_DATA	-		
49	BS_RST	-		
50	SQR	-		
51	BS1.5CTL	-		
52	NC	0		
53	NC	0		
54	DC_COTL	0	Black level DC reproduce control	
55	NC	0		
56	NC	0		
57	NC	0		
58	/LOB_POW	0	LowB power control [Power on:L]	
59	COMPULINK	I	AV COMPULINK III control	
60	/POWERGOOD	I	Power condition check	
61	/MECA_ON	I	Machine SW interrupt [Pushing:L]	
62	/MAIN_POW	0	Main power control [Power on :L	
63	NC	-		
64	/B1 POW	0	B1 power control [Power on:L]	
65	AFC	I	AFT voltage	
66	X_RAY	I	X-ray protection detection [Protection : 2.0V]	
67	SPRIT	0	NC	
68	KEY2	I	Front key scan 2 (CH+, VOL-/+)	
69	KEY1	I	Front key scan 1 (MENU, CH-)	
70	SCL1	0	I ² C bus (clock) for EEP-ROM	
71	SDA1	I/O	I ² C bus (data) for EEP-ROM	
72	REMO	I	Remote control	
73	NC	0		
74	VSS	I	GND	
75	OSC2	0	4MHz oscillation for system clock	
76	OSC1	I	4MHz oscillation for system clock	
77	VDD	I	+3.3V	
78	SCL0	0	I ² C bus (clock) for general	
79	AP_CLK	0		
80	SDA0	I/O	I ² C bus (data) for general	
81	NC	0		
82	NC	0		
83	NC	-		
84	P_MU	0	Picture muting [Muting:H]	

2.5 MAIN PARTS LOCATION

2.5.1 PWB ASS'Y ARRANGEMENT

The PWB ASS'Y is indicated below.

PWB ASS'Y name	AV-48WP55H	AV-56WP55H	AV-65WP55H
MAIN PWB ASS'Y	SRP-1012A-M2	SRP-1013A-M2	SRP-1002A-M2
MI-COM & DIST MODULE PWB ASS'Y	SRP0D001A-M2	←	←
POWER PWB ASS'Y	SRP-9001A-M2	←	←
DEF / CONVERGENCE OUT PWB ASS'Y	SRP-2012A-M2	←	SRP-2013A-M2
DIGITAL CONVERGENCE MODULE PWB ASS'Y	SRP0K012A-M2	SRP0K013A-M2	SRP0K014A-M2
DIGITAL INPUT MODULE PWB ASS'Y			SRP-7812A-M2
FRONT CONTROL PWB ASS'Y	SRP0L012A-M2	←	←
REMOCON SENSOR PWB ASS'Y	SRP-8001A-M2	←	←
VM PWB ASS'Y	SRP-7201A-M2	←	←
R CRT SOCKET PWB ASS'Y	SRP-3101A-M2	←	←
G CRT SOCKET PWB ASS'Y	SRP-3201A-M2	←	←
B CRT SOCKET PWB ASS'Y	SRP-3301A-M2	←	←



(This figure is only MAIN UNIT)

2.6 SCREEN HANDLING CAUTIONS

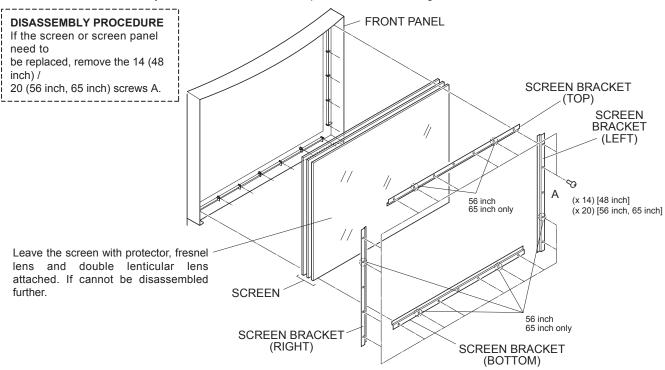
2.6.1 SCREEN STORAGE

Store the SCREEN ASS'Y in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.

When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

2.6.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.



2.7 PROJECTION UNIT REPLACEMENT

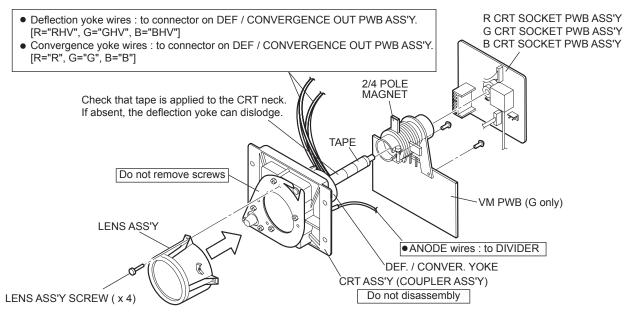
2.7.1 ADJUSTMENT DURING REPLACEMENT

When replacing the three R, G and B projection units, first replace the R and B units and perform focus / screen / raster centering adjustments with reference to the G unit. Then replace the G unit and perform G focus / screen / convergence adjustment. Finally perform R & B. Convergence adjustments. Use care to simultaneously removes all three-projection units.

2.7.2 DISASSEMBLY CAUTION

The projection units include locations that are not to be disassembled during service. When replacing projection unit parts, disassemble to the state indicated in the figure below.

The figure indicates screws and wires that are not to be removed. Use care not to remove these.



SECTION 3 DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE [AV-65WP55]

 Make sure that the power cord is pulled out from the AC wall socket.

3.1.1 SPEAKER GRILLE

- (1) Remove 2 screws [A] from rear side.
- (2) Open the door of the FRONT CONTROL BOX and remove 2 screws [B] from front side.
- (3) Take out the SPEAKER GRILLE.

3.1.2 SPEAKER

- · Take out the SPEAKER GRILLE.
 - (1) Remove 4 screws [C].
 - (2) Take out the SPEAKER.
 - (3) Disconnect the speaker wire from speaker terminal.
- *Remove the both side SPEAKER same manner.

3.1.3 FRONT BOARD

- · Take out the SPEAKER GRILLE.
 - (1) Remove 4 screws [D].
 - (2) Take out the FRONT BOARD.

3.1.4 FRONT CONTROL BOX

- · Take out the SPEAKER GRILLE.
 - (1) Remove 2 screws [E].
 - (2) Remove 2 screws [F].
 - (3) Disconnect the connector [BH], [R], [BG] on the FRONT CONTROL PWB.
 - (4) Take out the FRONT CONTROL BOX.

3.1.5 FRONT CONTROL PWB

- · Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
 - (1) Remove 2 screws [G].
 - (2) Remove 3 screws [H] from rear side of FRONT CONTROL BOX.
 - (3) Take out the FRONT CONTROL PWB.

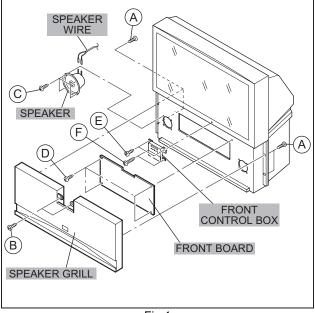


Fig.1

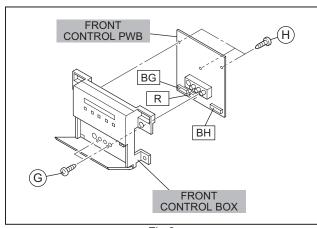


Fig.2

DIGITAL INPUT MODULE [AV-65WP55] AV TERMINAL BOARD AV TERMINAL BOARD Prior to disassembly outlet without fail. (T Short the SB conner INPUT MODULE. (A Before the rear panethe short-circuit between of the DIGITAL II After releasing the connectors, do not to is inserted into the connectors, do not to is inserted into the connector the inactivation of the power of the connector of the connec

- Prior to disassembly, unplug the power code from the AC outlet without fail. (Turn the power "off".)
- Short the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE. (At the time of assembling)
- Before the rear panel is inserted into the cabinet, release the short-circuit between the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE.
- After releasing the short-circuit between the SB connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- * Negligence in carrying out the above steps may cause the inactivation of the TV.

3.1.6 SCREEN ASS'Y

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
 - (1) Remove 4 screws [1] attaching the FRONT BRACKET.
 - (2) Remove 10 screws [J] from rear side.
 - (3) Take out the SCREEN ASS'Y.

NOTE:

- Please place the SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least two parsons are recommended for removal and reassemble.
- · Use care not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When than sporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

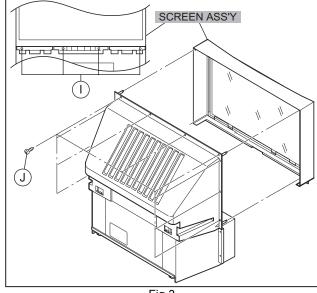


Fig.3

3.1.7 MIRROR

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- · Take out the SCREEN ASS'Y.
 - (1) Remove 10 screws [K] attaching the mirror brackets of the upper, left and right side.
 - (2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
 - (3) Take out the MIRROR.

NOTE:

- The MIRROR is frontcoated. Do not touch the front of the MIRROR.
- At least 2 persons are recommended for removable and reassemble.

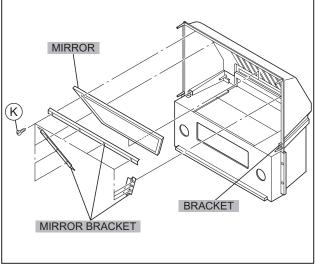


Fig.4

3.1.8 REAR PANEL

- (1) Remove 3 screws [L].
- (2) Remove 4 screws [M].
- (3) Take out the REAR PANEL.

NOTE:

- Before the rear panel is inserted into the cabinet, release the short-circuit between the [SB] connector (1) pin and (2) pin of the DIGITAL INPUT UNIT. (Refer to "CAUTION AT DISASSEMBLY" on Page 13).
- After releasing the short-circuit between the [SB] connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

⚠Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

UNPLUG THE POWER CORD FROM AC OUTLET BEFORE OPEN THE REAR COVER (PANEL).

When the rear cover (panel) is removed, follow "CAUTION AT DISASSEMBLY" procedure in the service manual before plugging the TV's power cord into an AC outlet.

Failure to follow the procedure will result in PERMANENT damage to some of the television features.



- · Take out the REAR PANEL.
 - (1) Pull out the PARTITION backward.

3.1.10 REAR COVER

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
 - (1) Remove 2 screws [N].
 - (2) Take out the REAR COVER BRACKET.
 - (3) Remove 2 screws [O].
 - (4) Remove 2 screws [P] from front side.
 - (5) Slightly pull for backside to disengage of the REAR COVER from hooks.
 - (6) Take out the REAR COVER.

NOTE:

 Because of the large size, at least two persons are recommended for removal and reassemble.

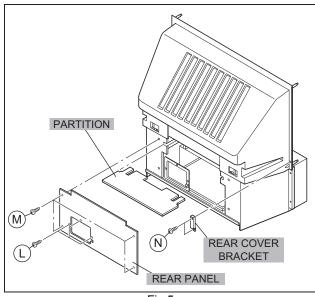
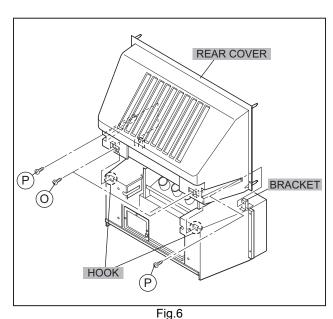


Fig.5



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3.1.11 MAIN UNIT

- Take out the SPEAKER GRILLE.
- · Take out the FRONT PANEL.
- · Take out the REAR PANEL.
 - (1) Remove 4 screws [Q] from front side.
 - (2) Take out the connector [BH], [R], [BG] on the FRONT CONTROL PWB.
 - (3) Remove 2 screws [R] attaching the MAIN CHASSIS and BODY.
 - (4) Pull out the MAIN UNIT rear side.

NOTE:

- Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- When wire clamps are removed during work, use care to restore them precisely to their original positions.
 Performance can be affected if these are not returned to the original positions.
- Because of the large size, at least two persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- Do not look the projection side of a PROJECTION UNIT when the image is projected.



When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

3.1.12 FOCUS PACK

- · Take out the MAIN UNIT.
 - (1) Remove 1 screw [S].
 - (2) Take out the FOCUS PACK.
 - (3) Take out 9 wires connecting the FOCUS PACK.

3.1.13 AV TERMINAL BOARD

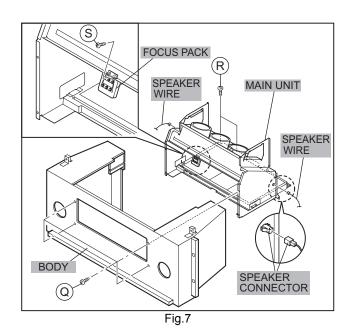
- Take out the REAR PANEL.
 - (1) Remove 4 screws [T].
 - (2) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
 - (3) Disconnect the connector [AU], [DC], [Q] and [SR] on the DIGITAL INPUT MODULE PWB.
 - (4) Take out the AV TERMINAL BOARD.

3.1.14 DIGITAL INPUT MODULE

- Take out the AV TERMINAL BOARD.
 - (1) Remove 1 screw [U].
 - (2) Remove 2 screws [V] from rear side of the AV TERMINAL BOARD.
 - (3) Take out the DIGITAL INPUT MODULE.

NOTE:

 When removing the DIGITAL INPUT MODULE, refer to the "CAUTION AT DISASSEMBLY" section on page 13.



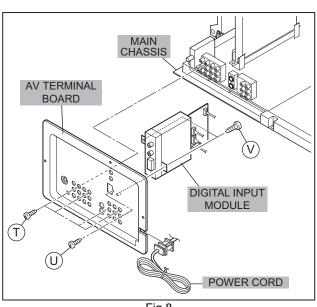


Fig.8

3.1.15 MAIN CHASSIS

- · Take out the REAR PANEL.
 - (1) Remove 2 screws [W].
 - (2) Remove 2 screws [R].
 - (3) Pull out the MAIN CHASSIS for backside.

NOTE:

 If necessary, remove the anode wires, connectors, respectively.

3.1.16 MI-COM & DIST MODULE PWB

- · Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
 - (1) Disconnect the connector [CN000E], [CN000Y] on the MI-COM & DIST MODULE PWB.
 - (2) Remove 2 screws [X].
 - (3) Take out the MI-COM & DIST MODULE PWB.

3.1.17 DIGITAL CONVERGENCE MODULE PWB

- · Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
 - (1) Remove 2 screws [Y].
 - (2) Take out the DIGITAL CONVERGENCE MODULE PWB.

3.1.18 PROJECTION UNIT

- Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- Take out the REAR PANEL.
- · Take out the MAIN UNIT.
 - (1) Take out the CRT SOCKET PWB.
 - (2) Remove 4 screws [Z].
 - (3) Pull out the PROJECTION UNIT upward.

NOTE:

- Refer to "PROJECTION UNIT REPLACEMENT" on page 1-12 when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions.
 Performance can be affected if these are not returned to the original positions.

3.1.19 HV DIVIDER

- · Take out the REAR PANEL.
 - (1) Remove 1 screw [a].
 - (2) Take out the HV DIVIDER.

*Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.

NOTE:

 If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

3.1.20 REMOCON SENSOR PWB

- · Take out the REAR PANEL.
 - (1) Disconnect the connector [R].
 - (2) Remove 1 screw [b].
 - (3) Take out the REMOCON SENSOR PWB.

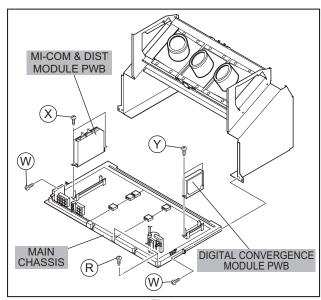


Fig.9

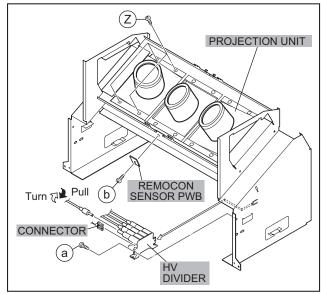


Fig.10

3.2 DISASSEMBLY PROCEDURE [AV-48WP55, AV-56WP55]

Make sure that the power cord is pulled out from the AC wall socket.

3.2.1 SPEAKER GRILLE

- (1) Remove 4 screws [A] from rear side.
- (2) Open the door of the FRONT CONTROL BOX and remove 2 screws [B] from front side.
- (3) Take out the SPEAKER GRILLE.

3.2.2 SPEAKER

- Take out the SPEAKER GRILLE
 - (1) Remove 4 screws [C].
 - (2) Take out the SPEAKER.
 - (3) Disconnect the speaker wire from speaker terminal.
- *Remove the both side SPEAKER same manner.

3.2.3 FRONT BOARD

- · Take out the SPEAKER GRILLE.
 - (1) Remove 4 screws [D].
 - (2) Take out the FRONT BOARD.

3.2.4 FRONT CONTROL BOX

- Take out the SPEAKER GRILLE.
 - (1) Remove 4 screws [E].
 - (2) Disconnect the connector [BH], [R], [BG] on the FRONT CONTROL PWB.
 - (3) Take out the FRONT CONTROL BOX.

3.2.5 FRONT CONTROL PWB

- · Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
 - (1) Remove 2 screws [F].
 - (2) Remove 3 screws [G] from rear side of FRONT CONTROL BOX.
 - (3) Take out the FRONT CONTROL PWB.

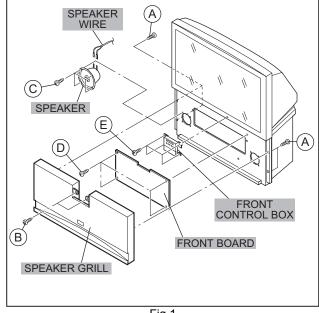
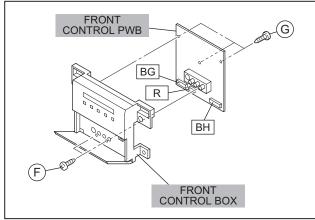


Fig.1



3.2.6 SCREEN ASS'Y

- · Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
 - (1) Remove 2 screws [H] attaching the FRONT BRACKET.
 - (2) Remove 10 screws [I] from rear side.
 - (3) Take out the SCREEN ASS'Y.

NOTE:

- · Please place the SCREEN ASS'Y on a flat table without fail.
- · Because of the large size, at least two parsons are recommended for removal and reassemble.
- · Use care not to scratch the screen during work.
- · During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- · When than sporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

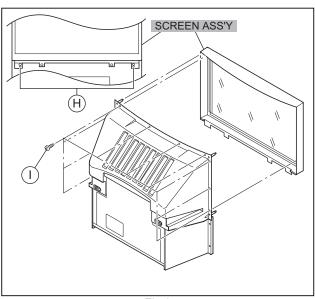


Fig.3

3.2.7 MIRROR

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- · Take out the SCREEN ASS'Y.
 - (1) Remove 9 screws [J] attaching the mirror brackets of the upper, left and right side.
 - (2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
 - (3) Take out the MIRROR.

NOTE:

- The MIRROR is frontcoated. Do not touch the front of the MIRROR.
- At least 2 persons are recommended for removable and reassemble.

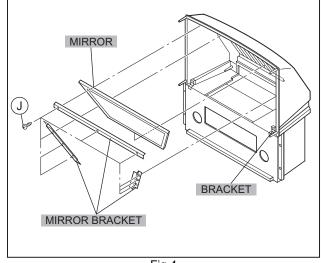


Fig.4

3.2.8 REAR PANEL

- (1) Remove 6 screws [K].
- (2) Remove 4 screws [L].
- (3) Take out the REAR PANEL.

3.2.9 PARTITION

- · Take out the REAR PANEL.
 - (1) Pull out the PARTITION backward.

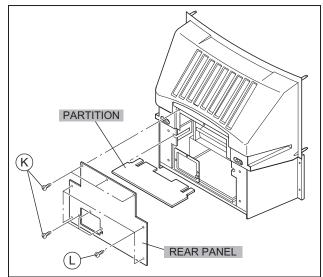
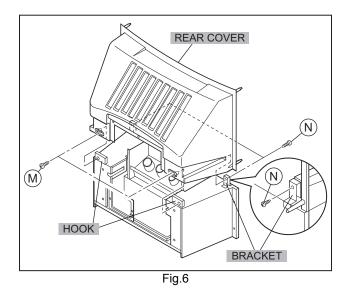


Fig.5

- 3.2.10 REAR COVER
- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- · Take out the SCREEN ASS'Y.
 - (1) Remove 2 screws [M].
 - (2) Remove 2 screws [N] from front side.
 - (3) Slightly pull for backside to disengage of the REAR COVER from hooks.
 - (4) Take out the REAR COVER.

NOTE

 Because of the large size, at least two persons are recommended for removal and reassemble.



(No.YA097)1-19

3.2.11 MAIN UNIT

- Take out the SPEAKER GRILLE.
- · Take out the FRONT PANEL.
- · Take out the REAR PANEL.
 - (1) Remove 4 screws [O] from front side.
 - (2) Take out the connector [BH], [R], [BG] on the FRONT CONTROL PWB.
 - (3) Remove 2 screws [P] attaching the MAIN CHASSIS and BODY.
 - (4) Pull out the MAIN UNIT rear side.

NOTE:

- · Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- · When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.
- · Because of the large size, at least two persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- · Do not look the projection side of a PROJECTION UNIT when the image is projected.



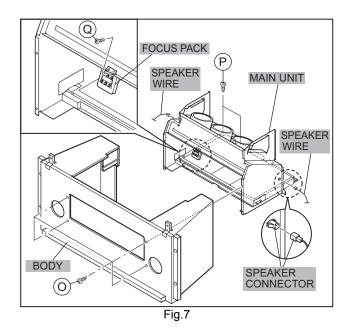
When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

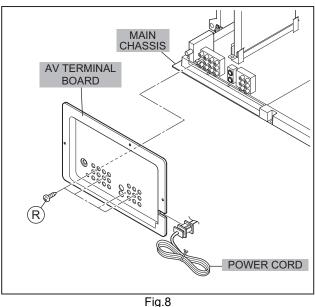
3.2.12 FOCUS PACK

- · Take out the MAIN UNIT.
 - (1) Remove 1 screw [Q].
 - (2) Take out the FOCUS PACK.
 - (3) Take out 9 wires connecting the FOCUS PACK.

3.2.13 AV TERMINAL BOARD

- · Take out the REAR PANEL.
 - (1) Remove 4 screws [R].
 - (2) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
 - (3) Disconnect the connector [AU], [DC], [Q] and [SR] on the DIGITAL INPUT MODULE PWB.
 - (4) Take out the AV TERMINAL BOARD.





3.2.14 MAIN CHASSIS

- · Take out the REAR PANEL.
 - (1) Remove 2 screws [S].
 - (2) Remove 2 screws [P].
 - (3) Pull out the MAIN CHASSIS for backside.

NOTE:

If necessary, remove the anode wires, connectors, respectively.

3.2.15 MI-COM & DIST MODULE PWB

- · Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
 - (1) Disconnect the connector [CN000E], [CN000Y] on the MI-COM & DIST MODULE PWB.
 - (2) Remove 2 screws [T].
 - (3) Take out the MI-COM & DIST MODULE PWB.

3.2.16 DIGITAL CONVERGENCE MODULE PWB

- Take out the REAR PANEL.
- · Take out the MAIN CHASSIS.
 - (1) Remove 2 screws [U].
 - (2) Take out the DIGITAL CONVERGENCE MODULE PWB.

3.2.17 PROJECTION UNIT

- · Take out the SPEAKER GRILLE.
- · Take out the FRONT CONTROL BOX.
- Take out the REAR PANEL.
- · Take out the MAIN UNIT.
 - (1) Take out the CRT SOCKET PWB.
 - (2) Remove 4 screws [V].
 - (3) Pull out the PROJECTION UNIT upward.

NOTE:

- Refer to "PROJECTION UNIT REPLACEMENT" on page 1-12 when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions.
 Performance can be affected if these are not returned to the original positions.

3.2.18 HV DIVIDER

- · Take out the REAR PANEL.
 - (1) Remove 1 screw [W].
 - (2) Take out the HV DIVIDER.

*Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.

NOTE:

 If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

3.2.19 REMOCON SENSOR PWB

- · Take out the REAR PANEL.
 - (1) Disconnect the connector [R].
 - (2) Remove 1 screw [X].
 - (3) Take out the REMOCON SENSOR PWB.

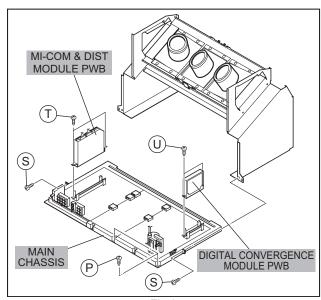


Fig.9

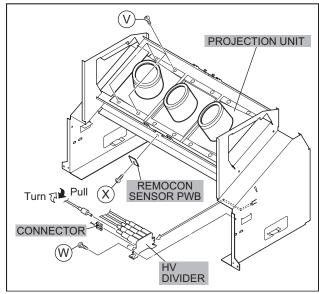


Fig.10

3.3 MEMORY IC REPLACEMENT

3.3.1 MEMORY IC

This memory IC stores data for proper operation of the video and deflection circuits.

When replacing, be sure to use an IC containing this (initial value) data.

3.3.2 MEMORY IC REPLACEMENT PROCEDURE

(1) Power off

Switch off the power and disconnect the power cord from the wall outlet.

- (2) Replace the memory IC
 - Initial value must be entered into the new IC.
- (3) Power on

Connect the power cord to the wall outlet and switch on the power.

(4) SERVICE MENU setting

Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.

- a) Press [SLEEP TIMER] key and, while the indication of SLEEP TIMER 0 MIN is being displayed, press [DISPLAY] key and [VIDEO STATUS] key (Fig.2) simultaneously.
- b) The SERVICE MENU screen of Fig.1 is displayed.
- c) Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).
- Refer to the SERVICE ADJUSTMENT for setting.
- d) Press the [BACK] key twice to return normal screen.
- (5) Receive channel setting

Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.

(6) User settings

Check the user setting items according to after page. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

SERVICE MENU

1.PICTURE/SOUND 7.CONVER B 2.YC SEP 8.IP 3.WHITE BALANCE 9.DSD 4.MEMORY SETUP 0.HDMI 5.RF AFC 6.CONVER A

Fig.1

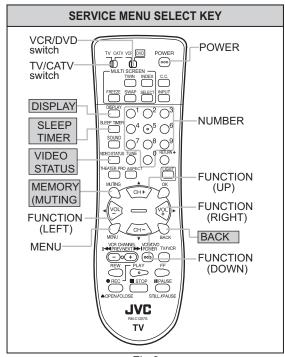


Fig.2

3.3.3 SERVICE ADJUSTMENT ITEM

Setting item	Item No.	Remark	Setting item	Item No.	Remark
1.PICTURE/SOUND	-	-	6.CONVER A		
AUDIO	A01~A27		Convergence adjustment	CPA01~CPA11	
VIDEO	S01~S99			CCA01~CCA12	Do not adjust
DEFLECTION	D01~D32			CDA01~CDA07	Do not adjust
FACTORY setting	F01~F70			CBA01~CBA94	
2.YC SEP			7.CONVER B		
YC separation setting	YCM001~YCM185		Convergence adjustment		
	YCS001~YCS114	Do not adjust	8.IP		
			DIST process setting	IPA001~IPA042	Do not adjust
3.WHITE BALANCE			9.DSD		
LOW LIGHT/HIGH LIGHT	BR, DRV R, DRV B,		DSD process setting	DSA001~DSA053	
adjustment	CUTR, CUTG, CUTB			DSB001~DSB053	Do not adjust
4.MEMORY SETUP		Do not adjust		DSC001~DSC044	Do not aujust
5.RF AFC		-		DSD001~DSD017	
TUNER RF AFT setting	TUNER, AFC, FINE		0.HDMI	•	
		Do not adjust	Digital input setting	HDM001~HDM080	Do not adjust
			_	RHD001~RHD170	Do not aujust

3.3.4 FACTORY SHIPPING SETTING

USER SETTING

Setting item	Setting value	Setting item	Setting value		
POWER CHANNEL VOLUME	Off CABLE-02 10	TINT / COLOR / PICTURE/ BRIGHT / DETAIL	Refer to setting of Video status memory at shipping factory setting		
INPUT	TV	COLOR TEMPERATURE DIG. NOISE CLEAR VSM (Velocity Scan Modulation)	LOW OFF ON		
DISPLAY ASPECT VIDEO STATUS	OFF REGULAR DYNAMIC	NATURAL CINEMA BASS / TREBLE / BALANCE MTS	AUTO Center STEREO		
SOUND A.H.S	OFF	ON / OFF TIMER LANGUAGE NOISE MUTING FRONT PANEL LOCK CLOSED CAPTION FRONT PANEL LOCK V1 SMART INPUT VIDEO INPUT LABEL	OFF ENG ON OFF OFF (CC1 / T1) OFF OFF BLANK		
SPLIT SOURCE	LEFT SIDE : CA 02 RIGHT SIDE : INPUT1	AUTO SHUT OFF DIGITAL-IN	OFF SIZE 1		
POSITION ADJUSTMENT XDS ID CONVERGENCE POWER INDICATOR	Center ON AUTO HIGH	DIGITAL AUDIO CHANNEL SUMMARY V-CHIP AUTO DEMO	DIGITAL Refer to Last memory (CH. summary) OFF OFF		

VIDEO STATUS MEMORY

(NTSC / 480i / 480p)

Item	Setting value					
	TINT	COLOR	PICTURE	BRIGHT	DETAIL	
STANDARD	0	0	0	0	0	
THEATER	0	0	0	0	0	
DYNAMIC	0	0	+10	0	+5	
GAME	0	0	-10	0	0	

(720p / 1080i)

(
Item	Setting value					
	TINT	COLOR	PICTURE	BRIGHT	DETAIL	
STANDARD	0	0	0	0	0	
THEATER	0	0	0	0	0	
DYNAMIC	0	0	+5	0	+10	
GAME	0	0	-10	0	0	

CHANNEL SETTING (CHANNEL SUMMARY)

VHF LOW			Setting	Band	CH di	ispiay	Setting
	4	2	USED	SUPER	N	27	NOT USED
	;	3	NOT USED		0	28	USED
	4	4	USED		Р	29	NOT USED
		5	USED		Q	30	NOT USED
	(6	USED		R	31	USED
VHF HIGH	F HIGH	7	USED		S	32	USED
	8	3	NOT USED		T	33	NOT USED
	(9	USED		U	34	NOT USED
	1	0	NOT USED		V	35	NOT USED
	1	1	USED		W	36	USED
	1	2	NOT USED	SUBMID	A-7	93	NOT USED
	1	3	USED		A-6	94	NOT USED
2	1	4	USED		A-5	95	NOT USED
	3	6	USED		A-4	96	USED
	4	-1	NOT USED		A-3	97	USED
	4	.6	NOT USED		A-2	98	USED
	6	3	USED		A-1	99	NOT USED
	6	i9	USED		A-8	01	NOT USED
MID	Α	14	USED	HYPER	W+11	47	USED
	В	15	USED		W+12	48	USED
	С	16	USED		W+17	53	USED
	D	17	USED		W+23	59	USED
	Е	18	USED	ULTRA	W+29	65	NOT USED
	F	19	NOT USED		W+51		NOT USED
	G	20	NOT USED		W+78		NOT USED
	Н	21	USED		W+84		NOT USED
	I	22	NOT USED				
SUPER	J	23	NOT USED				
	K	24	USED				
	L	25	NOT USED				
	М	26	NOT USED				

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

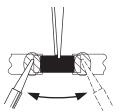
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

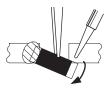
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

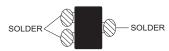


(2) Shift with the tweezers and remove the chip part.

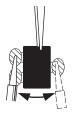


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



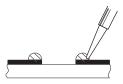
NOTE:

After removing the part, remove remaining solder from the pattern.

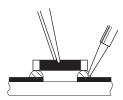
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

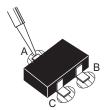


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

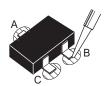


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead A as indicated in the figure.



(4) Then solder leads B and C.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as given below.
- (2) Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
- (3) Make sure that AC power is turned on correctly.
- (4) Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes
- (5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
- (6) Never touch any adjustment setting value which are not specified in the list for this adjustment.
- (7) Presetting before adjustment Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

SETTING POSITION

Setting item	Setting position
VIDEO STATUS	STANDARD
TINT / COLOR / PICTURE / BRIGHT / DETAIL	0
COLOR TEMPERATURE	LOW
DIG. NOISE CLEAR	OFF
NATURAL CINEMA	AUTO
VSM	OFF
BASS / TREBLE / BALANCE	Center
A.H.S	OFF
ASPECT	FULL
VERTICAL POSITION	Center
ON/OFF TIMER	OFF
AUTO SHUTOFF	OFF

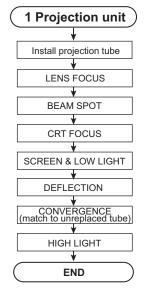
4.2 MEASURING INSTRUMENT AND FIXTURES

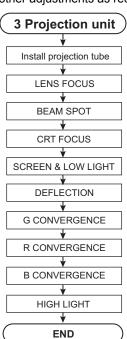
- (1) DC voltmeter (or digital voltmeter)
- (2) Oscilloscope
- (3) Signal generator (Pattern generator) [NTSC / 480i / 480p / 720p / 1080i / HDMI]
- (4) TV audio multiplex signal generator
- (5) Remote control unit

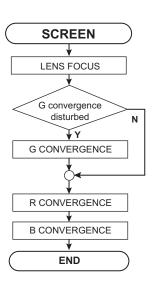
4.3 ADJUSTMENT FLOWCHART

WHEN REPLACING SCREEN AND PROJECTION UNIT

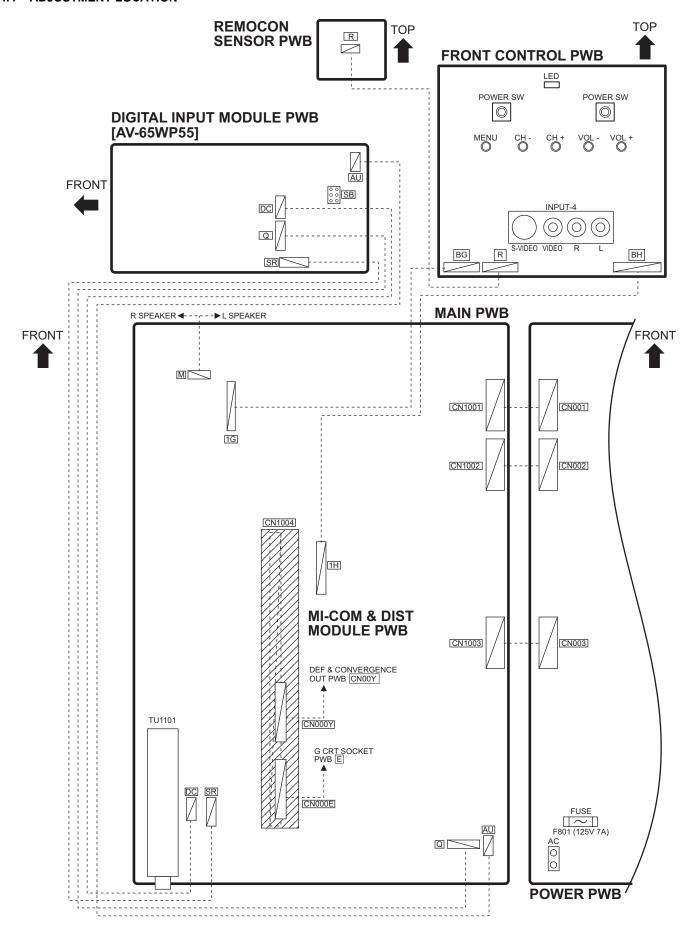
Contains only the main adjustments. Also confirm other adjustments as required.

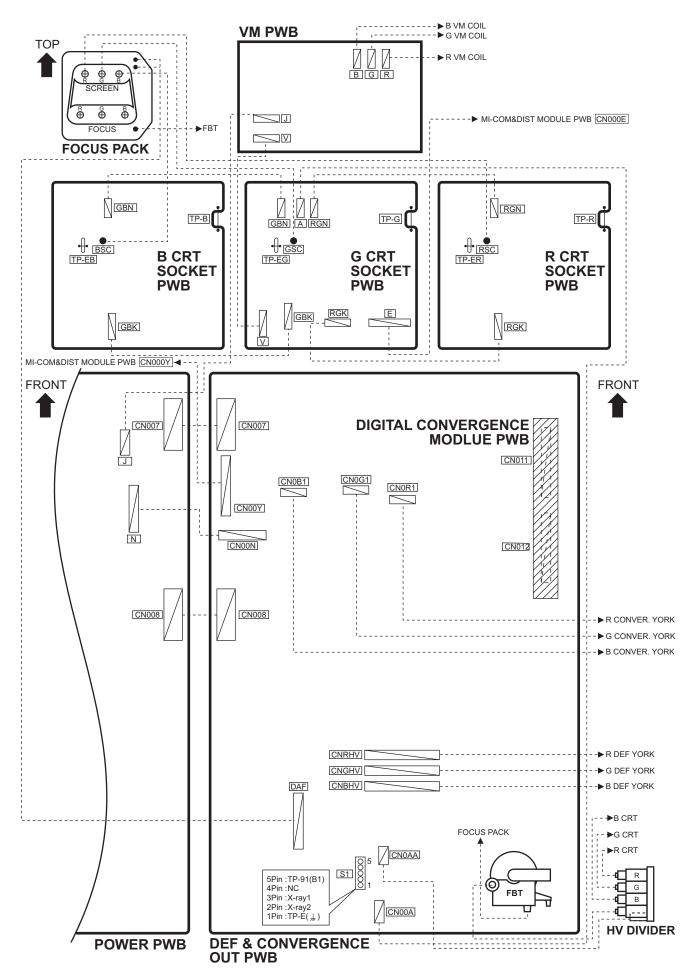




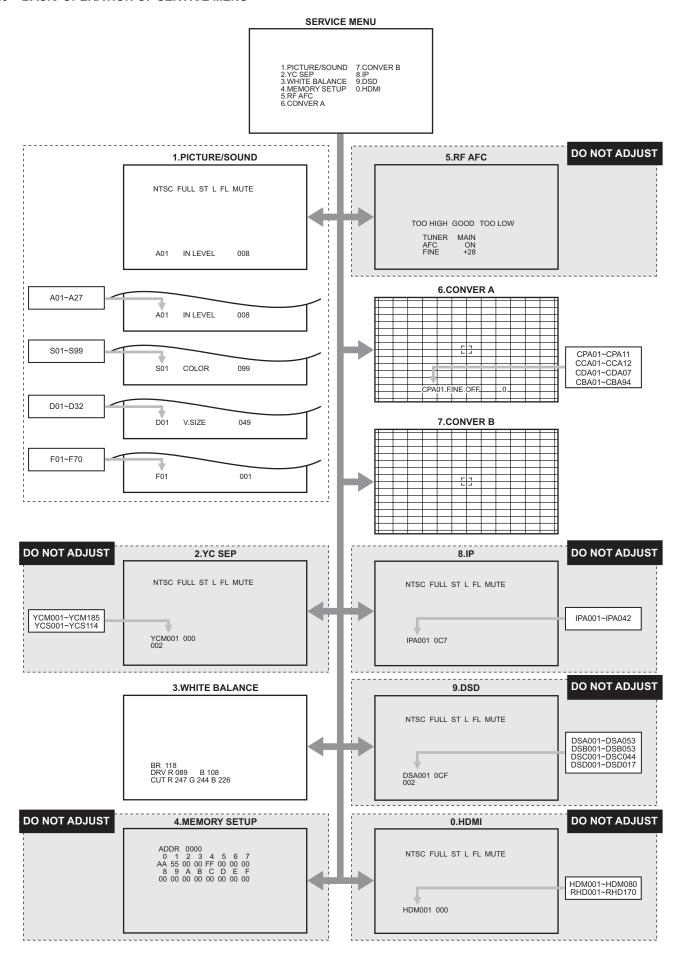


4.4 ADJUSTMENT LOCATION





4.5 BASIC OPERATION OF SERVICE MENU



4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

4.5.2 SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

1.PICTURE / SOUND	This sets the setting values of the VIDEO, AUDIO and DEFLECTION circuits.
2.YC SEP	This is used when the YC SEPARATION circuit is adjusted. [Do not adjust]
3.WHITE BALANCE	This sets the setting values of the WHITE BALANCE.
4.MEMORY SETUP	This sets the setting values of the MEMORY ADDRESS. [Do not adjust]
5.RF AFC	This is used when the IF VCO is adjusted. [Do not adjust]
6.CONVER A	This is used when the CONVERGENCE is adjusted.
7.CONVER B	This is used when the CONVERGENCE is adjusted.
8.IP	This sets the setting value of the DIST circuit. [Do not adjust]
9.DSD	This sets the setting value of the DSD circuit. [Do not adjust]
0.HDMI	This sets the setting value of the DIGITAL INPUT circuit. [Do not adjust].

4.5.3 BASIC OPERATIONS OF THE SERVICE MENU

(1) How to enter the SERVICE MENU

Press [SLEEP TIMER] key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the SERVICE MENU screen.

(2) Releasing SERVICE MENU

After returning to the SERVICE MENU upon completion of the setting work, press the [BACK] key again.

4.5.4 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MENU screen is common.

(1) SIGNAL SYSTEM

NTSC: Composite, S-video (Y / C), No signal.

DVD : 480i (component)

ED : 480p HD : 1080i 720 : 720p

HED1 : HDMI 480p SIZE1 HED2 : HDMI 480p SIZE2 HHD : HDMI 1080i H750 : HDMI 720p

(2) ASPECT / MULTI

1) ONE SCREEN

FULL: FULL

PANO : PANORAMA
CINE : CINEMA
REGU : REGULAR

2) MULTI SCREEN

M1 : One screen (for adjustment)

M2-1 : TWIN (4 : 3) M2-2 : TWIN (16 : 9) M12 : INDEX

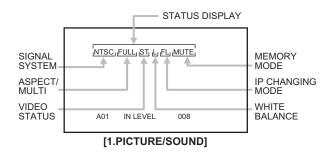
(3) VIDEO STATUS

ST : STANDARD

DA : DYNAMIC

TH : THEATER

GA : GAME



(4) WHITE BALANCE

H : HIGH L : LOW

(5) IP CONVERTING MODE

FL: FRAME LI: LINE

23 : COMPULSORY NATURAL CINEMA IN

(6) MEMORY MODE

MUTE : Press [MUTING] key

DIR : Change data then memory at the same time.

4.5.5 SERVICE MENU SETTING

1. PICTURE/SOUND

AUDIO / VIDEO / DEFLECTION circuit adjustment.

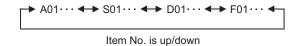
1. SETTING ITEM No.

A : AUDIO S : SIGNAL

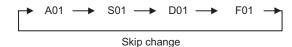
D: DEFLECTION

F : FACTORY SETTING

Press [CH+] / [CH-] key



• Press [SLEEP TIMER] key

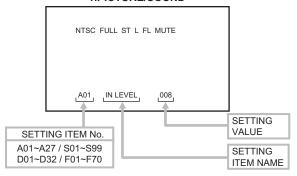


2. SETTING ITEM NAME Describe setting item name

3. SETTING VALUE

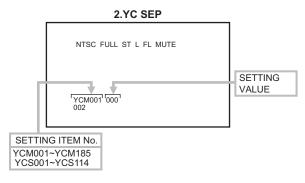
- Press [VOL+] / [VOL-] key Set the setting value.
- Press [MUTING] key Memorize the data.

1.PICTURE/SOUND



2. YC SEP

YC separation circuit setting. [Do not adjust]



3. WHITE BALANCE

Adjustment of LOW LIGHT / HIGH LIGHT.

- 1. SELECT ITEM
- Press [CH+] / [CH-] key
 2. SETTING VALUE
 BRIGHT
- Press [VOL+] / [VOL-] key DRIVE

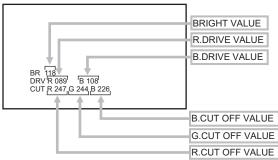
[2] key: DRIVE R is up [5] key: DRIVE R is down [3] key: DRIVE B is up [6] key: DRIVE B is down

CUTOFF

[7] key: CUTOFF G is up
[TUNE] key: CUTOFF G is down
[8] key: CUTOFF R is up
[0] key: CUTOFF R is down
[9] key: CUTOFF B is up

[RETURN+] key: CUTOFF B is down

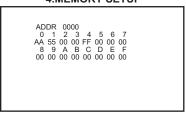
3. WHITE BALANCE



4. MEMORY SETUP

Main memory data edition.
[Do not adjust]

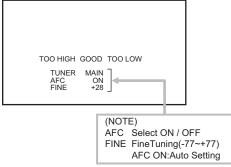
4.MEMORY SETUP



5. RF AFC

Setting the RF VCO adjustment. **[Do not adjust]**

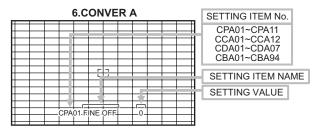




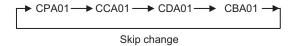
6. CONVER A

Setting the CONVERGENCE PHASE adjustment.

 Setting for 6.CONVER A is described in the CONVERGENCE adjustment.



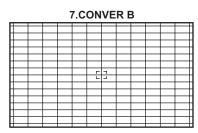
· Press [INPUT] key



7. CONVER B

Setting the CONVERGENCE POINT (fine).

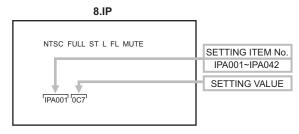
 Setting for 7.CONVER B is described in the CONVERGENCE adjustment.



8. IP

DIST circuit data setting.

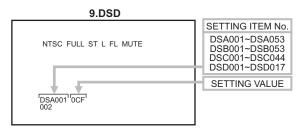
[Do not adjust]



9. DSD

DSD circuit data setting.

[Do not adjust]

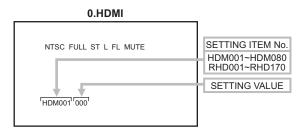


· Press [SLEEP TIMER] key



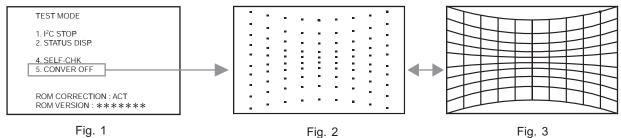
0. HDMI

DIGITAL INPUT circuit data setting. [Do not adjust]



4.5.6 DESCRIPTION OF TEST MODE

- (1) Press [SLEEP TIMER] key and set 30 minutes.
- (2) While the indication "SLEEP TIMER 30 MIN." is being displayed, press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the TEST MODE MENU screen as shown in the Fig.1.
- (3) Press [5] key to enter the 5.CONVER OFF.
- (4) Press [INPUT] key to select the crosshatch pattern.



4.6 INITIAL SETTING VALUE OF SERVICE MENU

- (1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
- (2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT.
- (3) "---" is not adjusted. Setting value is not displayed.

CAUTION:

Never change the initial setting value any adjustments **except** for those that are designated in the adjustment procedures. In case where you have made undesignated adjustments by mistake, never press the [MUTING] key on the remote control unit. Whenever you had not pressed the [MUTING] key, you would be able to recover the initial value by switching the [POWER] key.

4.6.1 [1. PICTURE / SOUND]

AUDIO SYSTEM

Item	Itom nome	Variable renge		Initial setting value	
No.	Item name	Variable range	AV-48WP55	AV-56WP55	AV-65WP55
A01	IN LEVEL	000~015	800	008	800
A02	LOW SEP	000~063	035	035	035
A03	HI SEP	000~063	020	020	020
A04	BBE BASS	-128~+127	+010	+010	+010
A05	BBE TRE	-128~+127	000	000	000
A06	SURROUND	000 / 001	000	000	000
A07	BASS OFS	-128~+127	-017	-017	-017
A08	TRE OFS	-128~+127	-009	-009	-009
A09	AHS MVE	-128~+127	000	000	000
A10	AHS MSC	-128~+127	000	000	000
A11	(Not display)	000 / 001	000	000	000
A12	(Not display)	000 / 001	000	000	000
A13	(Not display)	000 / 001	000	000	000
A14	(Not display)	000 / 001	000	000	000
A15	(Not display)	000 / 001	000	000	000
A16	(Not display)	000 / 001	000	000	000
A17	(Not display)	000 / 001	000	000	000
A18	(Not display)	000 / 001	000	000	000
A19	(Not display)	000 / 001	000	000	000
A20	(Not display)	000 / 001	000	000	000
A21	(Not display)	000 / 001	000	000	000
A22	(Not display)	000 / 001	000	000	000
A23	(Not display)	000 / 001	000	000	000
A24	(Not display)	000 / 001	000	000	000
A25	(Not display)	000 / 001	000	000	000
A26	(Not display)	000 / 001	000	000	000
A27	(Not display)	000 / 001	000	000	000

DEFLECTION SYSTEM

Item No.	Item name	Variable range	SINGLE PICTURE (FULL)	TWIN / INDEX
D01	V. SIZE	000~127	059	059
D02	EW	000~063	033	033
D03	H. SIZE	000~063	033	033
D04	V. SCORE	000~063	040	040
D05	V. LINE	000~063	042	042
D06	V. CENT	000~063	025	025
D07	EW.TRAP	000~063	031	031
D08	BOT.CORN	000~015	008	800
D09	TOP.CORN	000~015	008	800
D10	V. EHT	000~007	005	005
D11	H. EHT	000~007	005	005
D12	(Not display)	000~007	006	006
D13	(Not display)	000~015	000	000
D14	H. CENTER	000~255	117	117
D15	H. FREQ	000~255	190	190
D16	(Not display)	000~127	100	100
D17	(Not display)	000~003	000	000
D18	(Not display)	000 / 001	000	000
D19	(Not display)	000 / 001	000	000
D20	(Not display)	000 / 001	000	000
D21	(Not display)	000 / 001	000	000
D22	(Not display)	000 / 001	000	000
D23	(Not display)	000 / 001	000	000
D24	(Not display)	000 / 001	000	000
D25	(Not display)	000 / 001	000	000
D26	(Not display)	000 / 001	000	000
D27	(Not display)	000 / 001	000	000
D28	(Not display)	000 / 001	000	000
D29	(Not display)	000 / 001	000	000
D30	(Not display)	000 / 001	000	000
D31	(Not display)	000 / 001	000	000
D32	(Not display)	000 / 001	000	000

VIDEO SYSTEM

(NTSC / 480i)

	Item name	e Variable range			NT	SC			480i					
Item No.			STANDARD			THEATER			STANDARD			THEATER		
110.			48"	56"	65"	48"	56"	65"	48"	56"	65"	48"	56"	65"
S01	COLOR	000~255	098	099	099	088	085	085	081	081	081	069	073	073
S02	TINT	000~255	060	059	059	052	055	055	062	064	061	060	061	061

(480p / 720p / 1080i)

	Item name	ame Variable range			48	0р					720p /	1080i		
Item No.			STANDARD			THEATER			STANDARD			THEATER		
110.			48"	56"	65"	48"	56"	65"	48"	56"	65"	48"	56"	65"
S01	COLOR	000~255	075	081	081	066	073	073	067	070	070	063	070	070
S02	TINT	000~255	059	058	058	059	058	058	063	063	063	057	059	059

(NTSC / 480i / 480p)

		name Variable range			NT	sc					480i /	480p		
Item No.	Item name		STANDARD			THEATER			STANDARD			THEATER		
			48"	56"	65"	48"	56"	65"	48"	56"	65"	48"	56"	65"
S03	BRIGHT	000~255	125	128	128	122	120	120	124	127	127	120	123	123
S04	CONTRAST	000~127	049	051	051	040	044	044	060	064	061	046	047	047

(720p / 1080i)

					720p /	1080i				
Item No.	Item name	Variable range	ST	ANDA	RD	THEATER				
140.			48"	56"	65"	48"	56"	65"		
S03	BRIGHT	000~255	127	130	130	123	125	125		
S04	CONTRAST	000~127	056	066	066	044	046	046		

(NTSC / 480i)

		Variable range			NT	SC			480i					
Item No.	Item name		ST	ANDAF	RD	Т	HEATE	R	ST	ANDA	RD	THEATER		
110.			48"	56"	65"	48"	56"	65"	48"	56"	65"	48"	56"	65"
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000	000	000	000	000
S06	INPUT SW	000~003	001	001	001	001	001	001	001	001	001	001	001	001
S07	B-Y	000~063	010	010	010	020	024	024	015	011	011	026	020	020
S08	R-Y	000~015	007	007	007	000	000	000	007	007	007	000	000	000
S09	G-YMATRI	000~003	001	001	001	003	003	003	001	001	001	003	003	003

(480p/720p/1080i)

		Variable range	480p						720p / 1080i					
Item No.	Item name		ST	ANDAF	RD	Т	HEATE	R	ST	ANDA	RD	THEATER		
			48"	56"	65"	48"	56"	65"	48"	56"	65"	48"	56"	65"
S05	0 MTX SW	000~003	000	000	000	000	000	000	000	000	000	000	000	000
S06	INPUT SW	000~003	001	001	001	001	001	001	000	000	000	000	000	000
S07	B-Y	000~063	015	017	017	025	021	021	023	021	021	025	021	020
S08	R-Y	000~015	800	800	007	002	002	002	004	004	004	003	003	003
S09	G-YMATRI	000~003	001	001	001	003	003	003	002	002	002	002	002	002

(NTSC / 480i)

					NT	SC			480i					
Item	Item name	Variable range		STAN	DARD		THE	ATER		STAN	DARD		THE	ATER
No.	item name	variable range	HIGH LOW		HIGH	LOW	HIGH		LOW		HIGH	LOW		
			пібп	48"	56"	65"	півп	2011	півп	48"	56"	65"	піоп	LOW
S10	DRIVE R	000~255		085	078	078				086	072	072		
S11	(Not display)	-128 ~ +127	+004				+006	+014	+005				+006	+014
S12	DRIVE B	000~255		080	084	089				078	079	079		
S13	(Not display)	-128 ~ +127	+004				-007	-022	+005				-007	-022

(480p / 720p / 1080i)

				48	0р		720p / 1080i						
Item	Item name	name Variable range	STANDARD		THEATER			STAN	DARD		THEATER		
No.	item name	variable range			HIGH		LOW		HIGH	LOW			
			HIGH LOW HIGH LOW				ПОП	48"	56"	65"		LOW	
S10	DRIVE R	000~255						084	074	074			
S11	(Not display)	-128 ~ +127	+003	000	000	+001	+005				+005	+008	
S12	DRIVE B	000~255						078	083	083			
S13	(Not display)	-128 ~ +127	+007	000	-005	-021	+005				+001	-009	

(NTSC / 480i / 480p / 720p / 1080i)

,	100 / 100 /											
Item	Itom name	Variable range	NT	sc	480i /	480p	720p / 1080i					
No.	Item name	Variable range	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER				
S14	CUTOF R	000~255	185		185		185					
S15	(Not display)	-128 ~ +127		-004		000		-008				
S16	CUTOF G	000~255	185		185		185					
S17	(Not display)	-128 ~ +127		000		000		000				
S18	CUTOF B	000~255	185		185		185					
S19	(Not display)	-128 ~ +127		-004		000		-008				
S20	CUTOF SW R	000~003	001		001		001					
S21	CUTOF SW G	000~003	001		001		001					
S22	CUTOF SW B	000~003	001		001		001					

(NTSC / 480i / OTHERS SIGNAL)

Item	Item name	Variable range	NT	SC	48	0i	OTHERS SIGNAL		
No.	item name	Variable range	STANDARD THEATER		STANDARD	THEATER	STANDARD	THEATER	
S23	DC CTL	000~255	255	255	255	255	255	255	

Item No.	Item name	Variable range	Initial setting value
S24	RGBLIMT	000~015	000

(NTSC / 480i / OTHERS SIGNAL)

Item No.	Item name	Variable range	NTSC	480i	OTHERS SIGNAL
S25	BL STRT	000~015	015	015	015
S26	BL GAIN	000~015	008	800	008
S27	YGM LVL	000~015	000	000	000
S28	YGM GAIN	000~015	015	015	015
S29	YWD STRT	000~015	002	000	000
S30	YWD GAIN	000~015	005	002	003

Item No.	Item name	Variable range	STANDARD	THEATER
S31	COL OFST	-128~+127		
S32	TNT OFST	-128~+127		

(TWIN / FREEZE)

Item	Item name	Variable range	TWIN / I	REEZE
No.	item name	variable range	STANDARD	THEATER
S33	BRT OFST	-128~+127	-002	000
S34	CNT OFST	-128~+127	-011	000

Item No.	Item name	Variable range	STANDARD	THEATER
S35	DCTRN SW	000 / 001	000	000
S36	BL OFF	000 / 001	000	001
S37	YGM OFF	000 / 001	000	001
S38	ABL OFF	000 / 001	000	000
S39	ACL OFF	000 / 001	000	000

Item No.	Item name	Variable range	Initial setting value
S40	BLCNT LK	000 / 001	000
S41	YGCNT LK	000 / 001	000
S42	DCTRN PL	000 / 001	000
S43	ABL GAIN	000~015	015
S44	ABL STRT	000~015	015
S45	ACL GAIN	000~015	015
S46	ACL STRT	000~015	000

(TWIN / REGULER / THEATER / OTHERS)

Ī	Item	Item name	Variable range	MULTI SCREEN	ASPECT	VIDEO STATUS	OTHERS
L	No.	item name	variable range	TWIN	REGULAR	THEATER	OTHERS
Ī	S47	ACL EERG	000~255	255	255	255	255

Item No.	Item name	Variable range	Initial setting value
S48	CHRM GM	000~255	255

Item No.	Item name	Variable range	Initial setting value
S49	OSDR DC	000~127	064
S50	OSDB DC	000~127	064
S51	BLK OFF	000 / 001	000

Item No.	Item name	Variable range	STANDARD	THEATER
S52	CNT UNDR	-128~+127	-030	-021
S53	CNT UPPR	-128~+127	+013	+020
S54	BRT UNDR	-128~+127	-020	-020

Item No.	Item name	Variable range	Initial setting value
S55	EETH BRT	-128~+127	000
S56	EETH CNT	-128~+127	000
S57	BREE CNT	000~031	000
S58	DKEE CNT	000~031	000
S59	DREE BRT	000~127	000
S60	BREE ACL	000~255	000
S61	DKEE ACL	000~255	000
S62	VMOFF DE	-128~+127	+002
S63	VM LOW	-128~+127	-025
S64	VM MID	-128~+127	-015
S65	VM HIGH	-128~+127	+010
S66	VM L-	-128~+127	-004
S67	VM LH	-128~+127	-002
S68	VM MH	-128~+127	000
S69	VM M+	-128~+127	+001
S70	BLK R	000 / 001	000
S71	BLK G	000 / 001	000
S72	BLK B	000 / 001	000
S73	(Not display)	000 / 001	000
S74	(Not display)	000 / 001	000
S75	(Not display)	000 / 001	000
S76	(Not display)	000 / 001	000
S77	(Not display)	000 / 001	000
S78	(Not display)	000 / 001	000
S79	(Not display)	000 / 001	000
S80	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
S81	(Not display)	000 / 001	000
S82	(Not display)	000 / 001	000
S83	(Not display)	000 / 001	000
S84	(Not display)	000 / 001	000
S85	(Not display)	000 / 001	000
S86	(Not display)	000 / 001	000
S87	(Not display)	000 / 001	000
S88	(Not display)	000 / 001	000
S89	(Not display)	000 / 001	000
S90	(Not display)	000 / 001	000
S91	(Not display)	000 / 001	000
S92	(Not display)	000 / 001	000
S93	(Not display)	000 / 001	000
S94	(Not display)	000 / 001	000
S95	(Not display)	000 / 001	000
S96	(Not display)	000 / 001	000
S97	(Not display)	000 / 001	000
S98	(Not display)	000 / 001	000
S99	(Not display)	000 / 001	000

OTHERS

Item	Item name	Variable range	Initial setting value		
No.	item name	variable range	48"	56"	65"
F01	E 1	000~255	003	004	004
F02	E 2	000~255	002	002	002
F03	(Not display)	000~255	127	127	127
F04	CATVMAX	000~255	001	001	001
F05	(Not display)	000 / 001	050	050	114
F06	(Not display)	000~255	000	000	000
F07	(Not display)	000~255	007	007	015
F08	(Not display)	000~255	000	000	000

Item	Item name	Variable range	ASP	ECT
No.	item name	variable range	CINEMA	OTHERS
F09	AUTOSCR1	000~015	000	000
F10	AUTOSCR2	000~015	000	000
F11	AUTOSCR3	000~015	000	000
F12	AUTOSCR4	000~015	000	000
F13	AUTOSCR5	000~015	000	000
F14	AUTOSCR6	000~015	000	000
F15	AUTOSCR7	000~015	000	000

Item No.	Item name	Variable range	Initial setting value
F16	(Not display)	000~127	070
F17	(Not display)	000 / 001	000
F18	FIX DATA	000 / 001	000
F19	(Not display)	000 / 001	000
F20	(Not display)	000~255	005
F21	(Not display)	000~255	002
F22	(Not display)	000 / 001	000
F23	(Not display)	000~255	000
F24	(Not display)	000~255	141
F25	(Not display)	000~255	006
F26	(Not display)	000~255	040
F27	(Not display)	000~255	040
F28	(Not display)	000 /001	000

Item No.	Item name	Variable range	Initial setting value
F29	(Not display)	000 / 001	000
F30	(Not display)	000 / 001	000
F31	(Not display)	000 / 001	000
F32	ATT V	000 / 001	000
F33	ATT U	000 / 001	000
F34	ATT C	000 / 001	000
F35	(Not display)	000 / 001	000
F36	(Not display)	000 / 001	000
F37	(Not display)	000 / 001	000
F38	DC1	000 / 001	000
F39	DC4	000 / 001	000
F40	DC5	000 / 001	000

Item No.	Item name	Variable range	NTSC	480i	480p	720p	1080i
F41	SS LV	000~003	000	002	002	002	002
F42	SS CP	000 / 001	000	000	000	000	000
F43	SS HDP	000~063	039	039	037	025	024

Item No.	Item name	Variable range	Initial setting value
F44	(Not display)	000 / 001	000
F45	(Not display)	000 / 001	000
F46	OUT LV.	000 / 001	000
F47	LMT BTM	000 / 001	000
F48	LMT TOP	000 / 001	000
F49	(Not display)	000 / 001	001
F50	(Not display)	000 / 001	001
F51	(Not display)	000~015	011
F52	(Not display)	000~063	055
F53	(Not display)	-128~+127	000
F54	(Not display)	000~255	015
F55	(Not display)	000 / 001	000
F56	(Not display)	000~255	188
F57	(Not display)	000~255	105

Item No.	Item name	Variable range	Initial setting value
F58	(Not display)	000~255	077
F59	(Not display)	000 / 001	001
F60	(Not display)	000 / 001	000
F61	(Not display)	000 / 001	001
F62	(Not display)	000 / 001	000
F63	(Not display)	-128~+127	000
F64	(Not display)	-128~+127	+010
F65	(Not display)	-128~+127	000
F66	(Not display)	000~007	006
F67	(Not display)	000~003	000
F68	(Not display)	000~255	126
F69	(Not display)	000 / 001	001
F70	(Not display)	000 / 001	000

4.6.2 [2.YC SEP] (All fixed)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD

COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
YCM001	(Not display)	000 / 001	000
YCM002	(Not display)	000 / 001	000
YCM003	(Not display)	000 / 001	000
YCM004	(Not display)	000~003	001
YCM005	(Not display)	000~255	239
YCM006	(Not display)	000~003	001
YCM007	(Not display)	000~255	239
YCM008	(Not display)	000 / 001	000
YCM009	(Not display)	000~003	000
YCM010	(Not display)	000 / 001	000
YCM011	(Not display)	000 / 001	000
YCM012	(Not display)	000 / 001	000
YCM013	(Not display)	000 / 001	000
YCM014	(Not display)	000~003	000
YCM015	(Not display)	000 / 001	000
YCM016	(Not display)	000~003	001
YCM017	(Not display)	000 / 001	001
YCM018	(Not display)	000~003	000
YCM019	(Not display)	000 / 001	000
YCM020	(Not display)	000 / 001	000
YCM021	(Not display)	000~003	002
YCM022	(Not display)	000~007	004
YCM023	(Not display)	000 / 001	001
YCM024	(Not display)	000 / 001	000
YCM025	(Not display)	000~007	005
YCM026	(Not display)	000~015	003
YCM027	(Not display)	000~003	000
YCM028	(Not display)	000~007	003
YCM029	(Not display)	000~007	002
YCM030	(Not display)	000~003	003
YCM031	(Not display)	000 / 001	000
YCM032	(Not display)	000~003	003
YCM033	(Not display)	000 / 001	001
YCM034	(Not display)	000 / 001	000
YCM035	(Not display)	000~255	096
YCM036	(Not display)	000 / 001	001
YCM037	(Not display)	000~003	001
YCM038	(Not display)	000~127	062
YCM039	(Not display)	000~127	073

Item No.	Item name	Variable range	Initial setting value
YCM040	(Not display)	000~003	002
YCM041	(Not display)	000~063	016
YCM042	(Not display)	000 / 001	000
YCM043	(Not display)	000 / 001	000
YCM044	(Not display)	000~255	241
YCM045	(Not display)	000 / 001	000
YCM046	(Not display)	000~255	165
YCM047	(Not display)	000 / 001	001
YCM048	(Not display)	000 / 001	001
YCM049	(Not display)	000 / 001	001
YCM050	(Not display)	000 / 001	001
YCM051	(Not display)	000 / 001	001
YCM052	(Not display)	000 / 001	000
YCM053	(Not display)	000 / 001	001
YCM054	(Not display)	000~003	003
YCM055	(Not display)	000~003	003
YCM056	(Not display)	000~003	000
YCM057	(Not display)	000 / 001	000
YCM058	(Not display)	000 / 001	001
YCM059	(Not display)	000 / 001	001
YCM060	(Not display)	000 / 001	000
YCM061	(Not display)	000 / 001	001
YCM062	(Not display)	000~015	001
YCM063	(Not display)	000~015	004
YCM064	(Not display)	000 / 001	000
YCM065	(Not display)	000~063	060
YCM066	(Not display)	000~063	040
YCM067	(Not display)	000~063	025
YCM068	(Not display)	000~063	012
YCM069	(Not display)	000~063	036
YCM070	(Not display)	000~063	031
YCM071	(Not display)	000~255	031
YCM072	(Not display)	000 / 001	001
YCM073	(Not display)	000 / 001	001
YCM074	(Not display)	000~063	024
YCM075	(Not display)	000 / 001	000
YCM076	(Not display)	000 / 001	001
YCM077	(Not display)	000~063	010
YCM078	(Not display)	000~063	001
YCM079	(Not display)	000~255	000
YCM080	(Not display)	000~255	000
YCM081	(Not display)	000~255	000
YCM082	(Not display)	000~255	000
YCM083	(Not display)	000 / 001	001
YCM084	(Not display)	000~063	012

Item No.	Item name	Variable range	Initial setting value
YCM085	(Not display)	000 / 001	000
YCM086	(Not display)	000 / 001	000
YCM087	(Not display)	000~063	028
YCM088	(Not display)	000 / 001	001
YCM089	(Not display)	000~031	000
YCM090	(Not display)	000~003	000
YCM091	(Not display)	000~015	000
YCM092	(Not display)	000~015	000
YCM093	(Not display)	000~015	002
YCM094	(Not display)	000~063	000
YCM095	(Not display)	000~255	040
YCM096	(Not display)	000 / 001	001
YCM097	(Not display)	000~063	063
YCM098	(Not display)	000~015	800
YCM099	(Not display)	000~015	005
YCM100	(Not display)	000~015	008
YCM101	(Not display)	000~015	005
YCM102	(Not display)	000~015	000
YCM103	(Not display)	000~015	002
YCM104	(Not display)	000~015	800
YCM105	(Not display)	000~015	006
YCM106	(Not display)	000~255	010
YCM107	(Not display)	000~255	032
YCM108	(Not display)	000~255	031
YCM109	(Not display)	000~255	064
YCM110	(Not display)	000 / 001	000
YCM111	(Not display)	000 / 001	001
YCM112	(Not display)	000 / 001	001
YCM113	(Not display)	000 / 001	001
YCM114	(Not display)	000 / 001	000
YCM115	(Not display)	000 / 001	001
YCM116	(Not display)	000 / 001	000
YCM117	(Not display)	000 / 001	000
YCM118	(Not display)	000 / 001	001
YCM119	(Not display)	000 / 001	000
YCM120	(Not display)	000 / 001	000
YCM121	(Not display)	000~003	003
YCM122	(Not display)	000 / 001	000
YCM123	(Not display)	000~255	026
YCM124	(Not display)	000 / 001	000
YCM125	(Not display)	000~255	025
YCM126	(Not display)	000 / 001	000
YCM127	(Not display)	000 / 001	001
YCM128	(Not display)	000 / 001	001
YCM129	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
YCM130	(Not display)	000~003	001
YCM131	(Not display)	000~255	050
YCM132	(Not display)	000~255	154
YCM133	(Not display)	000~255	055
YCM134	(Not display)	000~007	001
YCM135	(Not display)	000~255	136
YCM136	(Not display)	000 / 001	000
YCM137	(Not display)	000 / 001	001
YCM138	(Not display)	000~007	003
YCM139	(Not display)	000~255	089
YCM140	(Not display)	000~007	000
YCM141	(Not display)	000~255	252
YCM142	(Not display)	000 / 001	001
YCM143	(Not display)	000~007	005
YCM144	(Not display)	000~255	128
YCM145	(Not display)	000 / 001	000
YCM146	(Not display)	000 / 001	001
YCM147	(Not display)	000 / 001	001
YCM148	(Not display)	000 / 001	001
YCM149	(Not display)	000 / 001	000
YCM150	(Not display)	000 / 001	000
YCM151	(Not display)	000~255	136
YCM152	(Not display)	000 / 001	001
YCM153	(Not display)	000 / 001	001
YCM154	(Not display)	000 / 001	001
YCM155	(Not display)	000~003	000
YCM156	(Not display)	000~015	015
YCM157	(Not display)	000~015	004
YCM158	(Not display)	000 / 001	001
YCM159	(Not display)	000~127	004
YCM160	(Not display)	000 / 001	000
YCM161	(Not display)	000~031	000
YCM162	(Not display)	000 / 001	000
YCM163 YCM164	(Not display)	000~015 000~007	003 002
YCM165	(Not display) (Not display)	000~007	016
YCM166	(Not display)	000~051	235
YCM167	(Not display)	000~255	000
YCM168	(Not display)	000~003	000
YCM169	(Not display)	000~003	000
YCM170	(Not display)	000~015	003
YCM171	(Not display)	000~013	000
YCM172	(Not display)	000~255	096
YCM173	(Not display)	000~203	003
YCM174	(Not display)	000~255	056
1 ONT 17 T	(.tot display)	000 200	000

Item No.	Item name	Variable range	Initial setting value
YCM175	(Not display)	000 / 001	000
YCM176	(Not display)	000 / 001	000
YCM177	(Not display)	000~255	022
YCM178	(Not display)	000 / 001	001
YCM179	(Not display)	000 / 001	000
YCM180	(Not display)	000~007	004
YCM181	(Not display)	000~003	001
YCM182	(Not display)	000~003	001
YCM183	(Not display)	000~003	001
YCM184	(Not display)	000~003	001
YCM185	(Not display)	000~255	000

Item No.	Item name	Variable	Initial setting
		range	value
YCS001	(Not display)	000 / 001	000
YCS002	(Not display)	000 / 001	000
YCS003	(Not display)	000 / 001	000
YCS004	(Not display)	000~003	001
YCS005	(Not display)	000~255	239
YCS006	(Not display)	000~003	001
YCS007	(Not display)	000~255	239
YCS008	(Not display)	000 / 001	000
YCS009	(Not display)	000~003	000
YCS010	(Not display)	000 / 001	000
YCS011	(Not display)	000 / 001	000
YCS012	(Not display)	000 / 001	000
YCS013	(Not display)	000 / 001	000
YCS014	(Not display)	000~003	000
YCS015	(Not display)	000 / 001	000
YCS016	(Not display)	000~003	001
YCS017	(Not display)	000 / 001	001
YCS018	(Not display)	000~003	000
YCS019	(Not display)	000~001	000
YCS020	(Not display)	000~001	000
YCS021	(Not display)	000~003	002
YCS022	(Not display)	000~007	004
YCS023	(Not display)	000 / 001	001
YCS024	(Not display)	000 / 001	000
YCS025	(Not display)	000~015	005
YCS026	(Not display)	000~015	003
YCS027	(Not display)	000~003	000
YCS028	(Not display)	000~007	004
YCS029	(Not display)	000~007	006
YCS030	(Not display)	000~003	001
YCS031	(Not display)	000 / 001	000
YCS032	(Not display)	000~003	003

Item No.	Item name	Variable range	Initial setting value
YCS033	(Not display)	000 / 001	001
YCS034	(Not display)	000 / 001	000
YCS035	(Not display)	000~255	096
YCS036	(Not display)	000 / 001	001
YCS037	(Not display)	000~003	001
YCS038	(Not display)	000~127	062
YCS039	(Not display)	000~127	073
YCS040	(Not display)	000~003	002
YCS041	(Not display)	000~063	016
YCS042	(Not display)	000 / 001	000
YCS043	(Not display)	000 / 001	000
YCS044	(Not display)	000~255	164
YCS045	(Not display)	000 / 001	000
YCS046	(Not display)	000~255	110
YCS047	(Not display)	000 / 001	001
YCS048	(Not display)	000~031	000
YCS049	(Not display)	000~003	000
YCS050	(Not display)	000~015	000
YCS051	(Not display)	000~015	008
YCS052	(Not display)	000~015	001
YCS053	(Not display)	000~063	030
YCS054	(Not display)	000~255	030
YCS055	(Not display)	000 / 001	000
YCS056	(Not display)	000~063	016
YCS057	(Not display)	000~015	008
YCS058	(Not display)	000~015	005
YCS059	(Not display)	000~015	008
YCS060	(Not display)	000~015	005
YCS061	(Not display)	000~015	000
YCS062	(Not display)	000~015	002
YCS063	(Not display)	000~015	008
YCS064	(Not display)	000~015	006
YCS065 YCS066	(Not display) (Not display)	000~255 000~255	010 032
YCS067	(Not display)	000~255	032
YCS068	(Not display)	000~255	064
YCS069	(Not display)	000 / 001	000
YCS070	(Not display)	000 / 001	001
YCS071	(Not display)	000 / 001	001
YCS072	(Not display)	000 / 001	001
YCS073	(Not display)	000 / 001	000
YCS074	(Not display)	000 / 001	001
YCS075	(Not display)	000 / 001	000
YCS076	(Not display)	000 / 001	000
YCS077	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
YCS078	(Not display)	000 / 001	000
YCS079	(Not display)	000 / 001	000
YCS080	(Not display)	000~003	003
YCS081	(Not display)	000 / 001	000
YCS082	(Not display)	000~255	000
YCS083	(Not display)	000~255	000
YCS084	(Not display)	000~007	000
YCS085	(Not display)	000~255	014
YCS086	(Not display)	000 / 001	000
YCS087	(Not display)	000 / 001	001
YCS088	(Not display)	000 / 001	000
YCS089	(Not display)	000 / 001	000
YCS090	(Not display)	000~255	136
YCS091	(Not display)	000 / 001	001
YCS092	(Not display)	000 / 001	001
YCS093	(Not display)	000 / 001	001
YCS094	(Not display)	000~003	000
YCS095	(Not display)	000~015	015
YCS096	(Not display)	000~015	004
YCS097	(Not display)	000 / 001	001
YCS098	(Not display)	000~127	007
YCS099	(Not display)	000~031	000
YCS100	(Not display)	000 / 001	000
YCS101	(Not display)	000~015	003
YCS102	(Not display)	000~007	002
YCS103	(Not display)	000~031	016
YCS104	(Not display)	000~255	235
YCS105	(Not display)	000~003	000
YCS106	(Not display)	000~063	000
YCS107	(Not display)	000~015	003
YCS108	(Not display)	000~015	003
YCS109	(Not display)	000 / 001	000
YCS110	(Not display)	000~003	001
YCS111	(Not display)	000~003	001
YCS112	(Not display)	000~003	001
YCS113	(Not display)	000~003	001
YCS114	(Not display)	000~255	000

4.6.3 [3.WHITE BALANCE]

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
BR	(Not display)	000~255	118
DRV R	(Not display)	000~255	089
DRV B	(Not display)	000~255	108
CUT R	(Not display)	000~255	247
CUT G	(Not display)	000~255	244
CUT B	(Not display)	000~255	226

4.6.4 [6.CONVER A]

Item No.	Item name	Variable range	Initial setting value
CPA01	FINE OFF	0 / 1	0
CPA02	TPOH	0~4095	114
CPA03	TPOV LINE	0~255	017
CPA04	TPOV OFST	0~7	0
CPA05	FINEP	0~4095	1245
CPA06	STARTLIN A	0~127	56
CPA07	STARTLIN B	-7~7	-1
CPA08	CAU H2	0~15	0
CPA09	COARS OFST	-511~511	-50
CPA10	V10FSTA	-511~511	7
CPA11	V10FSTB	-31~31	0

Item No.	Item name	Variable	Initia	setting	value
item No.	item name	range	GREEN	RED	BLUE
CCA01	C H CENT	-512~511	0	-240	395
CCA02	C H SIZE	-512~511	-27	-54	16
CCA03	C H LIN	-512~511	-96	240	-348
CCA04	C H SKEW	-512~511	0	0	-10
CCA05	C EW PIN	-512~511	-91	-26	-17
CCA06	C H BOW	-512~511	0	-30	21
CCA07	C V CENT	-512~511	-19	8	12
CCA08	C V SKEW	-512~511	0	0	4
CCA09	C V SIZE	-512~511	-108	-77	-105
CCA10	C V LIN	-512~511	15	12	8
CCA11	C V KEY	-512~511	0	114	-77
CCA12	C TB PIN	-512~511	230	153	230

Item No.	Item name	Variable range	Initial setting value
CDA01	DF DC	-512~511	0
CDA02	DF H1	-512~511	0
CDA03	DF H2	-512~511	0
CDA04	DF V1	-512~511	0
CDA05	DF V2	-512~511	0
CDA06	DF V1H1	-512~511	0
CDA07	DF V2H2	-512~511	0

Item No.	Item name	Variable	Initial setting value
CD 4.04	ADD DATIO	range	
CBA01	ADD RATIO	0~3	0
CBA02	INTERLACE	0/1	0
CBA03	CKOUT FRE	0~3	0
CBA04	DF MUTE	0 / 1	0
CBA05	ODD LEVEL	0/1	1
CBA06	HRET SAMPL	0~3	2
CBA07	HRETS	0 / 1	0
CBA08	HRET TIME	-512~511	0
CBA09	H1 CENT RE	0 / 1	1
CBA10	DF CENT RE	0 / 1	0
CBA11	VIPOL	0~127	68
CBA12	V1CENTUP	0~4095	466
CBA13	RVCLMP STR	0~15	0
CBA14	RVCLMPTER	0~15	0
CBA15	RVCLMP CEN	0 / 1	0
CBA16	GVCLMP STR	0~15	0
CBA17	GVCLMPTER	0~15	0
CBA18	GVCLMP CEN	0 / 1	0
CBA19	BVCLMP STR	0~15	0
CBA20	BVCLMPTER	0~15	0
CBA21	BVCLMP CEN	0 / 1	0
CBA22	RHCLMP STR	0~15	0
CBA23	RHCLMPTER	0~15	0
CBA24	RHCLMP CEN	0 / 1	0
CBA25	GHCLMP STR	0~15	0
CBA26	GHCLMPTER	0~15	0
CBA27	GHCLMP CEN	0/1	0
CBA28	BHCLMP STR	0~15	0
CBA29	BHCLMPTER	0~15	0
CBA30	BHCLMP CEN	0 / 1	0
CBA31	PATTERN H	0~3	1
CBA32	PATTERN W	0~3	1
CBA33	HATCH PAT	0~15	1
CBA34	CURS SPACE	0~7	1
CBA35	HATCH COL	0~7	2
CBA36	BORDER COL	0~7	0

Item No.	Item name	Variable range	Initial setting value
CBA37	CURSOL COL	0~7	0
CBA38	CROSS COL	0~7	0
CBA39	SQUARE COL	0~7	0
CBA40	XCPOS VPOS	0~31	16
CBA41	XCPOS HPOS	0~31	16
CBA42	CURSOL PAT	0~3	0
CBA43	MTPH1	-32768~32767	0
CBA44	MTPH2	-32768~32767	0
CBA45	MTPV1	-32768~32767	0
CBA46	MTPV2	-32768~32767	0
CBA47	YSP	-7~7	0
CBA48	BL1POSV	0~2047	0
CBA49	BL1POSH	0~4095	0
CBA50	BL2POSV	0~2047	0
CBA51	BL2POSH	0~4095	0
CBA52	XPOSV	0~2047	580
CBA53	XPOSH	0~4095	1012
CBA54	XLLENV	0~2047	276
CBA55	XLLENH	0~4095	450
CBA56	SQ1POSV	0~2047	30
CBA57	SQ1POSH	0~4095	1024
CBA58	SQ1VSIZE	0~255	128
CBA59	SQ1HSIZE	0~255	100
CBA60	SQ2POSV	0~2047	594
CBA61	SQ2POSH	0~4095	282
CBA62	SQ2VSIZE	0~255	100
CBA63	SQ2HSIZE	0~255	110
CBA64	SQ3POSV	0~2047	1008
CBA65	SQ3POSH	0~4095	1024
CBA66	SQ3VSIZE	0~255	160
CBA67	SQ3HSIZE	0~255	100
CBA68	SQ4POSV	0~2047	594
CBA69	SQ4POSH	0~4095	1612
CBA70	SQ4VSIZE	0~255	100
CBA71	SQ4HSIZE	0~255	116
CBA72	SQ5POSV	0~2047	547
CBA73	SQ5POSH	0~4095	1013
CBA74	SQ5VSIZE	0~255	70
CBA75	SQ5HSIZE	0~255	4
CBA76	SQ6POSV	0~2047	580
CBA77	SQ6POSH	0~4095	984
CBA78	SQ6VSIZE	0~255	4
CBA79	SQ6HSIZE	0~255	64
CBA80	SQ7POSV	0~2047	456
CBA81	SQ7POSH	0~4095	888

Item No.	Item name	Variable range	Initial setting value
CBA82	SQ7VSIZE	0~255	255
CBA83	SQ7HSIZE	0~255	255
CBA84	SQ8POSV	0~2047	0
CBA85	SQ8POSH	0~4095	0
CBA86	SQ8VSIZE	0~255	0
CBA87	SQ8HSIZE	0~255	0
CBA88	ODEVP	0~3072	1584
CBA89	DFP	0~4095	0
CBA90	PWMH1P	0~4095	0
CBA91	PWMH1W	0~4095	0
CBA92	PWMV1P	0~1023	0
CBA93	PWMV1W	0~1023	1
CBA94	PWMH2W	0~4095	0

4.6.5 [8.IP] (All fixed)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
IPA001	(Not display)	000~0FF	0C7
IPA002	(Not display)	000~0FF	000
IPA003	(Not display)	000~0FF	000
IPA004	(Not display)	000~0FF	08A
IPA005	(Not display)	000~01F	001
IPA006	(Not display)	000~0FF	037
IPA007	(Not display)	000~00F	000
IPA008	(Not display)	000~0FF	000
IPA009	(Not display)	000~00F	000
IPA010	(Not display)	000~0FF	080
IPA011	(Not display)	000~00F	002
IPA012	(Not display)	000~0FF	02B
IPA013	(Not display)	000~00F	002
IPA014	(Not display)	000~0FF	000
IPA015	(Not display)	000~00F	002
IPA016	(Not display)	000~0FF	080
IPA017	(Not display)	000~00F	001
IPA018	(Not display)	000~0FF	000
IPA019	(Not display)	000~00F	001
IPA020	(Not display)	000~0FF	080
IPA021	(Not display)	000~00F	016
IPA022	(Not display)	000~0FF	023
IPA023	(Not display)	000~00F	000

Item No.	Item name	Variable range	Initial setting value
IPA024	(Not display)	000 / 001	001
IPA025	(Not display)	000 / 001	001
IPA026	(Not display)	000~03F	01F
IPA027	(Not display)	000~003	000
IPA028	(Not display)	000~03F	008
IPA029	(Not display)	000~03F	02B
IPA030	(Not display)	000~00F	005
IPA031	(Not display)	000~007	001
IPA032	(Not display)	000~03F	010
IPA033	(Not display)	000 / 001	001
IPA034	(Not display)	000~03F	039
IPA035	(Not display)	000 / 001	001
IPA036	(Not display)	000~03F	00E
IPA037	(Not display)	000~03F	02E
IPA038	(Not display)	000~03F	01E
IPA039	(Not display)	000~003	002
IPA040	(Not display)	000~003	003
IPA041	(Not display)	000~00F	800
IPA042	(Not display)	000~03F	020

4.6.6 [9.DSD] (All fixed)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

Item No.	Item name	Variable range	Initial setting value
DSA001	(Not display)	000~03F	01F
DSA002	(Not display)	000~03F	012
DSA003	(Not display)	000~03F	02E
DSA004	(Not display)	000~003	000
DSA005	(Not display)	000 / 001	000
DSA006	(Not display)	000~003	001
DSA007	(Not display)	000~03F	010
DSA008	(Not display)	000 / 001	001
DSA009	(Not display)	000~03F	010
DSA010	(Not display)	000 / 001	001
DSA011	(Not display)	000 / 001	001
DSA012	(Not display)	000~03F	006
DSA013	(Not display)	000~03F	010
DSA014	(Not display)	000~03F	020
DSA015	(Not display)	000~003	001
DSA016	(Not display)	000 / 001	001
DSA017	(Not display)	000~003	000

Item No.	Item name	Variable range	Initial setting value
DSA018	(Not display)	000~03F	000
DSA019	(Not display)	000 / 001	001
DSA020	(Not display)	000~03F	01D
DSA021	(Not display)	000 / 001	001
DSA022	(Not display)	000~03F	00C
DSA023	(Not display)	000 / 001	001
DSA024	(Not display)	000~03F	006
DSA025	(Not display)	000/001	001
DSA026	(Not display)	000~03F	02F
DSA027	(Not display)	000 / 001	001
DSA028	(Not display)	000~03F	007
DSA029	(Not display)	000 / 001	001
DSA030	(Not display)	000 / 001	001
DSA031	(Not display)	000~03F	023
DSA032	(Not display)	000 / 001	000
DSA033	(Not display)	000~003	000
DSA034	(Not display)	000~03F	008
DSA035	(Not display)	000 / 001	001
DSA036	(Not display)	000 / 001	001
DSA037	(Not display)	000~03F	023
DSA038	(Not display)	000 / 001	000
DSA039	(Not display)	000~003	000
DSA040	(Not display)	000~03F	008
DSA041	(Not display)	000 / 001	001
DSA042	(Not display)	000 / 001	001
DSA043	(Not display)	000 / 001	001
DSA044	(Not display)	000~03F	011
DSA045	(Not display)	000 / 001	000
DSA046	(Not display)	000~003	002
DSA047	(Not display)	000~03F	005
DSA048	(Not display)	000 / 001	001
DSA049	(Not display)	000~03F	000
DSA050	(Not display)	000 / 001	001
DSA051	(Not display)	000~03F	00B
DSA052	(Not display)	000 / 001	001
DSA053	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
DSB001	(Not display)	(Not display)	01F
DSB002	(Not display)	(Not display)	012
DSB003	(Not display)	(Not display)	02E
DSB004	(Not display)	(Not display)	000
DSB005	(Not display)	(Not display)	000
DSB006	(Not display)	(Not display)	001
DSB007	(Not display)	(Not display)	011
DSB008	(Not display)	(Not display)	001
DSB009	(Not display)	(Not display)	010
DSB010	(Not display)	(Not display)	001
DSB011	(Not display)	(Not display)	001
DSB012	(Not display)	(Not display)	800
DSB013	(Not display)	(Not display)	012
DSB014	(Not display)	(Not display)	025
DSB015	(Not display)	(Not display)	001
DSB016	(Not display)	(Not display)	001
DSB017	(Not display)	(Not display)	001
DSB018	(Not display)	(Not display)	000
DSB019	(Not display)	(Not display)	001
DSB020	(Not display)	(Not display)	010
DSB021	(Not display)	(Not display)	001
DSB022	(Not display)	(Not display)	00C
DSB023	(Not display)	(Not display)	001
DSB024	(Not display)	(Not display)	005
DSB025	(Not display)	(Not display)	001
DSB026	(Not display)	(Not display)	02F
DSB027	(Not display)	(Not display)	001
DSB028	(Not display)	(Not display)	007
DSB029	(Not display)	(Not display)	001
DSB030	(Not display)	(Not display)	001
DSB031	(Not display)	(Not display)	023
DSB032	(Not display)	(Not display)	000
DSB033	(Not display)	(Not display)	000
DSB034	(Not display)	(Not display)	800
DSB035	(Not display)	(Not display)	001
DSB036	(Not display)	(Not display)	001
DSB037	(Not display)	(Not display)	023
DSB038	(Not display)	(Not display)	000
DSB039	(Not display)	(Not display)	000
DSB040	(Not display)	(Not display)	800
DSB041	(Not display)	(Not display)	001
DSB042	(Not display)	(Not display)	001
DSB043	(Not display)	(Not display)	001
DSB044	(Not display)	(Not display)	00E
DSB045	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
DSB046	(Not display)	(Not display)	002
DSB047	(Not display)	(Not display)	005
DSB048	(Not display)	(Not display)	001
DSB049	(Not display)	(Not display)	000
DSB050	(Not display)	(Not display)	001
DSB051	(Not display)	(Not display)	010
DSB052	(Not display)	(Not display)	001
DSB053	(Not display)	(Not display)	001

Item No.	Item name	Variable range	Initial setting value
DSC001	(Not display)	000~00F	008
DSC002	(Not display)	000~0FF	098
DSC003	(Not display)	000~03F	01F
DSC004	(Not display)	000~003	000
DSC005	(Not display)	000~0FF	000
DSC006	(Not display)	000 / 001	000
DSC007	(Not display)	000 / 001	000
DSC008	(Not display)	000 / 001	000
DSC009	(Not display)	000~00F	000
DSC010	(Not display)	000~0FF	000
DSC011	(Not display)	000~00F	00F
DSC012	(Not display)	000~0FF	0FF
DSC013	(Not display)	000~00F	001
DSC014	(Not display)	000~0FF	0E8
DSC015	(Not display)	000~00F	005
DSC016	(Not display)	000~0FF	018
DSC017	(Not display)	000~00F	000
DSC018	(Not display)	000~0FF	000
DSC019	(Not display)	000~00F	000
DSC020	(Not display)	000~0FF	000
DSC021	(Not display)	000~00F	000
DSC022	(Not display)	000~0FF	000
DSC023	(Not display)	000~00F	000
DSC024	(Not display)	000~0FF	000
DSC025	(Not display)	000~00F	000
DSC026	(Not display)	000~0FF	080
DSC027	(Not display)	000~00F	000
DSC028	(Not display)	000~0FF	040
DSC029	(Not display)	000~00F	005
DSC030	(Not display)	000~0FF	040
DSC031	(Not display)	000~00F	000
DSC032	(Not display)	000~0FF	0C0
DSC033	(Not display)	000~00F	000
DSC034	(Not display)	000~0FF	080
DSC035	(Not display)	000~00F	000

Item No.	Item name	Variable range	Initial setting value
DSC036	(Not display)	000~0FF	040
DSC037	(Not display)	000~00F	005
DSC038	(Not display)	000~0FF	040
DSC039	(Not display)	000~00F	000
DSC040	(Not display)	000~0FF	0C0
DSC041	(Not display)	000~00F	004
DSC042	(Not display)	000~0FF	075
DSC043	(Not display)	000 / 001	000
DSC044	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
DSD001	(Not display)	000~255	001
DSD002	(Not display)	000~255	002
DSD003	(Not display)	000~255	001
DSD004	(Not display)	000~255	002
DSD005	(Not display)	000~255	001
DSD006	(Not display)	000~255	002
DSD007	(Not display)	000~255	001
DSD008	(Not display)	000~255	002
DSD009	(Not display)	-128~127	+001
DSD010	(Not display)	-128~127	+001
DSD011	(Not display)	-128~127	+002
DSD012	(Not display)	-128~127	+002
DSD013	(Not display)	-128~127	-001
DSD014	(Not display)	-128~127	+001
DSD015	(Not display)	000~0FF	001
DSD016	(Not display)	000~0FF	001
DSD017	(Not display)	000~0FF	001

4.6.7 [0.HDMI] (All fixed)

NOTE:

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD

COLOR TEMPERATURE: LOW

Item No.	Item name	Variable range	Initial setting value
HDM001	(Not display)	000 / 001	000
HDM002	(Not display)	000 / 001	000
HDM003	(Not display)	000 / 001	000
HDM004	(Not display)	000 / 001	000
HDM005	(Not display)	000 / 001	001
HDM006	(Not display)	000~003	000
HDM007	(Not display)	000 / 001	000
HDM008	(Not display)	000 / 001	000

Item No.	Item name	Variable range	Initial setting value
HDM009	(Not display)	000 / 001	000
HDM010	(Not display)	000 / 001	000
HDM011	(Not display)	000 / 001	000
HDM012	(Not display)	000 / 001	000
HDM013	(Not display)	000 / 001	001
HDM014	(Not display)	000 / 001	000
HDM015	(Not display)	000 / 001	000
HDM016	(Not display)	000~255	000
HDM017	(Not display)	000~255	000
HDM018	(Not display)	000~255	000
HDM019	(Not display)	000 / 001	001
HDM020	(Not display)	000~255	000
HDM021	(Not display)	000~007	002
HDM022	(Not display)	000~063	006
HDM023	(Not display)	000~063	006
HDM024	(Not display)	000~063	006
HDM025	(Not display)	000 / 001	000
HDM026	(Not display)	000~003	000
HDM027	(Not display)	000~255	212
HDM028	(Not display)	000~003	000
HDM029	(Not display)	000~255	192
HDM030	(Not display)	000~003	000
HDM031	(Not display)	000~255	212
HDM032	(Not display)	000~003	000
HDM033	(Not display)	000~255	191
HDM034	(Not display)	000~003	001
HDM035	(Not display)	000~255	012
HDM036	(Not display)	000~255	026
HDM037	(Not display)	000~255	001
HDM038	(Not display)	000~255	012
HDM039	(Not display)	000 / 001	001
HDM040	(Not display)	000 / 001	001
HDM041	(Not display)	000 / 001	000
HDM042	(Not display)	000~255	001
HDM043	(Not display)	000~007	003
HDM044	(Not display)	000~003	000
HDM045	(Not display)	000~003	000
HDM046	(Not display)	000 / 001	001
HDM047	(Not display)	000~015	007
HDM048	(Not display)	000~255	000
HDM049	(Not display)	000~255	000
HDM050	(Not display)	000~015	000
HDM051	(Not display)	000 / 001	000
HDM052	(Not display)	000 / 001	000
HDM053	(Not display)	000 / 001	000

	i	Variable	Initial setting
Item No.	Item name	range	value
HDM054	(Not display)	000 / 001	000
HDM055	(Not display)	000 / 001	000
HDM056	(Not display)	000 / 001	000
HDM057	(Not display)	000 / 001	001
HDM058	(Not display)	000 / 001	000
HDM059	(Not display)	000 / 001	001
HDM060	(Not display)	000 / 001	000
HDM061	(Not display)	000 / 001	001
HDM062	(Not display)	000 / 001	001
HDM063	(Not display)	000 / 001	000
HDM064	(Not display)	000 / 001	000
HDM065	(Not display)	000 / 001	001
HDM066	(Not display)	000 / 001	000
HDM067	(Not display)	000 / 001	001
HDM068	(Not display)	000~031	004
HDM069	(Not display)	000 / 001	000
HDM070	(Not display)	000 / 001	001
HDM071	(Not display)	000 / 001	000
HDM072	(Not display)	000 / 001	000
HDM073	(Not display)	000 / 001	000
HDM074	(Not display)	000~031	800
HDM075	(Not display)	000 / 001	001
HDM076	(Not display)	000 / 001	001
HDM077	(Not display)	000 / 001	001
HDM078	(Not display)	000 / 001	001
HDM079	(Not display)	000 / 001	001
HDM080	(Not display)	000 / 001	001

Item No.	Item name	Variable range	Initial setting value
RHD001	(Not display)	(Not display)	001
RHD002	(Not display)	(Not display)	000
RHD003	(Not display)	(Not display)	042
RHD004	(Not display)	(Not display)	099
RHD005	(Not display)	(Not display)	000
RHD006	(Not display)	(Not display)	000
RHD007	(Not display)	(Not display)	0B7
RHD008	(Not display)	(Not display)	0FF
RHD009	(Not display)	(Not display)	0FF
RHD010	(Not display)	(Not display)	0FE
RHD011	(Not display)	(Not display)	0FF
RHD012	(Not display)	(Not display)	000
RHD013	(Not display)	(Not display)	0FB
RHD014	(Not display)	(Not display)	0FF
RHD015	(Not display)	(Not display)	0E3
RHD016	(Not display)	(Not display)	0FF

Item No.	Item name	Variable range	Initial setting value
RHD017	(Not display)	(Not display)	0FF
RHD018	(Not display)	(Not display)	0DE
RHD019	(Not display)	(Not display)	0FF
RHD020	(Not display)	(Not display)	0FB
RHD021	(Not display)	(Not display)	0FE
RHD022	(Not display)	(Not display)	0DF
RHD023	(Not display)	(Not display)	0FF
RHD024	(Not display)	(Not display)	0F7
RHD025	(Not display)	(Not display)	0B3
RHD026	(Not display)	(Not display)	0E7
RHD027	(Not display)	(Not display)	000
RHD028	(Not display)	(Not display)	000
RHD029	(Not display)	(Not display)	000
RHD030	(Not display)	(Not display)	000
RHD031	(Not display)	(Not display)	000
RHD032	(Not display)	(Not display)	000
RHD033	(Not display)	(Not display)	0E0
RHD034	(Not display)	(Not display)	001
RHD035	(Not display)	(Not display)	023
RHD036	(Not display)	(Not display)	00A
RHD037	(Not display)	(Not display)	000
RHD038	(Not display)	(Not display)	000
RHD039	(Not display)	(Not display)	000
RHD040	(Not display)	(Not display)	000
RHD041	(Not display)	(Not display)	000
RHD042	(Not display)	(Not display)	020
RHD043	(Not display)	(Not display)	000
RHD044	(Not display)	(Not display)	000
RHD045	(Not display)	(Not display)	000
RHD046	(Not display)	(Not display)	000
RHD047	(Not display)	(Not display)	00C
RHD048	(Not display)	(Not display)	000
RHD049	(Not display)	(Not display)	068
RHD050	(Not display)	(Not display)	03C
RHD051	(Not display)	(Not display)	001
RHD052	(Not display)	(Not display)	008
RHD053	(Not display)	(Not display)	004
RHD054	(Not display)	(Not display)	000
RHD055	(Not display)	(Not display)	000
RHD056	(Not display)	(Not display)	000
RHD057	(Not display)	(Not display)	000
RHD058	(Not display)	(Not display)	000
RHD059	(Not display)	(Not display)	00B
RHD060	(Not display)	(Not display)	002
RHD061	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD062	(Not display)	(Not display)	000
RHD063	(Not display)	(Not display)	000
RHD064	(Not display)	(Not display)	000
RHD065	(Not display)	(Not display)	000
RHD066	(Not display)	(Not display)	000
RHD067	(Not display)	(Not display)	000
RHD068	(Not display)	(Not display)	000
RHD069	(Not display)	(Not display)	000
RHD070	(Not display)	(Not display)	000
RHD071	(Not display)	(Not display)	000
RHD072	(Not display)	(Not display)	000
RHD073	(Not display)	(Not display)	000
RHD074	(Not display)	(Not display)	000
RHD075	(Not display)	(Not display)	000
RHD076	(Not display)	(Not display)	000
RHD077	(Not display)	(Not display)	000
RHD078	(Not display)	(Not display)	000
RHD079	(Not display)	(Not display)	000
RHD080	(Not display)	(Not display)	000
RHD081	(Not display)	(Not display)	000
RHD082	(Not display)	(Not display)	000
RHD083	(Not display)	(Not display)	000
RHD084	(Not display)	(Not display)	000
RHD085	(Not display)	(Not display)	000
RHD086	(Not display)	(Not display)	000
RHD087	(Not display)	(Not display)	000
RHD088	(Not display)	(Not display)	000
RHD089	(Not display)	(Not display)	000
RHD090	(Not display)	(Not display)	000
RHD091	(Not display)	(Not display)	000
RHD092	(Not display)	(Not display)	000
RHD093	(Not display)	(Not display)	000
RHD094	(Not display)	(Not display)	000
RHD095	(Not display)	(Not display)	000
RHD096	(Not display)	(Not display)	000
RHD097	(Not display)	(Not display)	000
RHD098	(Not display)	(Not display)	000
RHD099	(Not display)	(Not display)	000
RHD100	(Not display)	(Not display)	000
RHD101	(Not display)	(Not display)	000
RHD102	(Not display)	(Not display)	000
RHD103	(Not display)	(Not display)	000
RHD104	(Not display)	(Not display)	000
RHD105	(Not display)	(Not display)	000
RHD106	(Not display)	(Not display)	000

Item No.	Item name	Variable range	Initial setting value
RHD107	(Not display)	(Not display)	000
RHD108	(Not display)	(Not display)	000
RHD109	(Not display)	(Not display)	000
RHD110	(Not display)	(Not display)	000
RHD111	(Not display)	(Not display)	000
RHD112	(Not display)	(Not display)	000
RHD113	(Not display)	(Not display)	000
RHD114	(Not display)	(Not display)	000
RHD115	(Not display)	(Not display)	000
RHD116	(Not display)	(Not display)	000
RHD117	(Not display)	(Not display)	000
RHD118	(Not display)	(Not display)	000
RHD119	(Not display)	(Not display)	000
RHD120	(Not display)	(Not display)	000
RHD121	(Not display)	(Not display)	000
RHD122	(Not display)	(Not display)	000
RHD123	(Not display)	(Not display)	000
RHD124	(Not display)	(Not display)	000
RHD125	(Not display)	(Not display)	000
RHD126	(Not display)	(Not display)	000
RHD127	(Not display)	(Not display)	000
RHD128	(Not display)	(Not display)	000
RHD129	(Not display)	(Not display)	000
RHD130	(Not display)	(Not display)	000
RHD131	(Not display)	(Not display)	000
RHD132	(Not display)	(Not display)	000
RHD133	(Not display)	(Not display)	000
RHD134	(Not display)	(Not display)	000
RHD135	(Not display)	(Not display)	000
RHD136	(Not display)	(Not display)	000
RHD137	(Not display)	(Not display)	000
RHD138	(Not display)	(Not display)	000
RHD139	(Not display)	(Not display)	000
RHD140	(Not display)	(Not display)	000
RHD141	(Not display)	(Not display)	000
RHD142	(Not display)	(Not display)	000
RHD143	(Not display)	(Not display)	000
RHD144	(Not display)	(Not display)	000
RHD145	(Not display)	(Not display)	000
RHD146	(Not display)	(Not display)	000
RHD147	(Not display)	(Not display)	000
RHD148	(Not display)	(Not display)	000
RHD149	(Not display)	(Not display)	000
RHD150	(Not display)	(Not display)	000
RHD151	(Not display)	(Not display)	000

Itama Na	Itama mama	Variable	Initial setting
Item No.	Item name	range	value
RHD152	(Not display)	(Not display)	000
RHD153	(Not display)	(Not display)	000
RHD154	(Not display)	(Not display)	000
RHD155	(Not display)	(Not display)	000
RHD156	(Not display)	(Not display)	000
RHD157	(Not display)	(Not display)	000
RHD158	(Not display)	(Not display)	000
RHD159	(Not display)	(Not display)	000
RHD160	(Not display)	(Not display)	000
RHD161	(Not display)	(Not display)	000
RHD162	(Not display)	(Not display)	000
RHD163	(Not display)	(Not display)	000
RHD164	(Not display)	(Not display)	000
RHD165	(Not display)	(Not display)	000
RHD166	(Not display)	(Not display)	000
RHD167	(Not display)	(Not display)	000
RHD168	(Not display)	(Not display)	000
RHD169	(Not display)	(Not display)	000
RHD170	(Not display)	(Not display)	000

4.7 ADJUSTMENT PROCEDURE

4.7.1 CHECK ITEMS

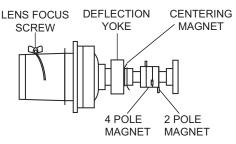
ltem	Measuring instrument	Test point	Adjustment part	Description		
X-RAY PROTECTOR check	Resistor [6.8k Ω 1/4W ±34 Ω]	S1 connector 2 pin : X-Ray2 3 pin : X-Ray1 [DEF/ CONVEGENCE OUT PWB]		 (1) Receive NTSC whole black signal. (2) Connect resistor 6.8kΩ (1/4W, ±34Ω) between 2 & 3 pin of the S1 connector. (3) Confirm that the X-RAY protector functions operat 		
S1 CONNEC	3 4 5	CN008 2		RESISTOR (Ω±34Ω 1/4W		
HIGH VOLTAGE check	generator	CRT Anode		(1) Receive NTSC whole black signal.(2) Connect the HV voltmeter between CRT anode and GND.		
	HV voltmeter			(3) Check the high voltage DC 31.0kV (+1.0kV / -1.3kv)		

4.7.2 HORIZONTAL FREQUENCY ADJUSTMENT

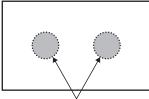
Item	Measuring instrument	Test point	Adjustment part	Description
H. FREQUENCY adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D15 : H. FREQ. D18 : DEF. RST	 (1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select 1. PICTURE/SOUND from SERVICE MENU. (4) Select < D18 > (DEF. RST) and change the data 0 to 1 (free run).
	m synchronization requency differen	ice) (Horiz	m synchronization zontal frequency imal condition)	 (5) While observing the screen, adjust the < D15 > (H. FREQ) so that an optimum horizontal synchronization is obtained. (see figure) (6) Press [MUTING] key to memorize the set value. (7) After adjustment, select < D18 > and change the data 1 to 0. (8) Press [MUTING] key to memorize the set value.

4.7.3 FOCUS & BEAM SPOT ADJUSTMENT

Item	Measuring instrument	Test point	Adjustment part	
FOCUS & BEAM SPOT adjustment	Signal generator		TEST MODE [5.CONVER OFF]	
adjustment	Similar adhesive (Securing adhesive)		R Def. yoke (DY) G Def. yoke (DY) B Def. yoke (DY) [PROJECTION UNIT] R LENS FOCUS screw G LENS FOCUS screw B LENS FOCUS screw [PROJECTION UNIT (LENS ASS'Y)] 4 pole magnet 2 pole magnet [PROJECTION UNIT (R / G / B CRT neck)] R FOCUS VR G FOCUS VR B FOCUS VR	L
			[FOCUS PACK]	



PROJECTION UNIT & LENS ASS'Y (CRT adjustment location)



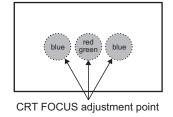
BEAM SPOT adjustment point

< Beam shape : distortion > < Beam shape : circle > < Defocus > < Optimum Focus >





optimum center and defocus center should be same point 2 pole magnet adjustment



(1) Receive NTSC crosshatch signal.

- (2) Select FULL mode with [ASPECT] key.
- (3) Select DYNAMIC mode with [VIDEO STATUS] key.

Description

- (4) Select 5.CONVER OFF from TEST MODE menu, then dot pattern is appear.
- (5) Press [INPUT] key to appear crosshatch pattern.
- (6) Adjust the R, G and B DY position to mark straight horizontal line.

LENS FOCUS

(1) Makes a red single color.

NOTE:

When making a single color, while adjusting focus of one CRT, put the cap on other lens.

- (2) By turning the LENS FOCUS screw (in LENS ASS'Y), for optimum focus at the screen center. Check for absence of difference in the peripheral focus. If the peripheral focus is poor, slightly shift the center focus to obtain overall balanced focus.
- (3) In the same manner, produce green and blue single color and adjust their respective focus.
- (4) After adjustment, fixes a screw.

NOTE

There is not a difference in the focus in the top and the bottom, on either side, in the diagonal.

When the difference of the focus is big, it removes a main lens, and it puts a washer between the main lens and the coupler and adjusts it.

BEAM SPOT

- (5) Change dot pattern with [INPUT] key.
- (6) Makes a red single color.
- (7) Turn the R FOCUS VR clockwise from just focus point, to set the dot diameter approx. to Ø30mm.
- (8) Turn the 4 pole magnet of the projection unit CRT neck and make beam shape round as circle on the position between center and both ends of the screen.
- (9) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure.
- (10) Turn the 2 pole magnet of the CRT neck as optimum focus and defocus center should become the same point.
- (11) In the same manner, adjust for the green and blue single color focus.
- (12) Secure the 4 and 2 pole magnets with similar adhesive

CRT FOCUS

- (13) Receive NTSC crosshatch signal.
- (14) Select DYNAMIC mode with [VIDEO STATUS] key.
- (15) Makes a red single color.
- (16) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure.
- (17) In the same manner, adjust for the green and blue single color focus.

4.7.4 DEFLECTION & CONVERGENCE ADJUSTMENT

- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- At first the adjustment in FULL mode should be done, then the data for the other ASPECT mode is corrected in the respective value at the same time.

4.7.4.1 FLOWCHART OF ADJUSTMENT

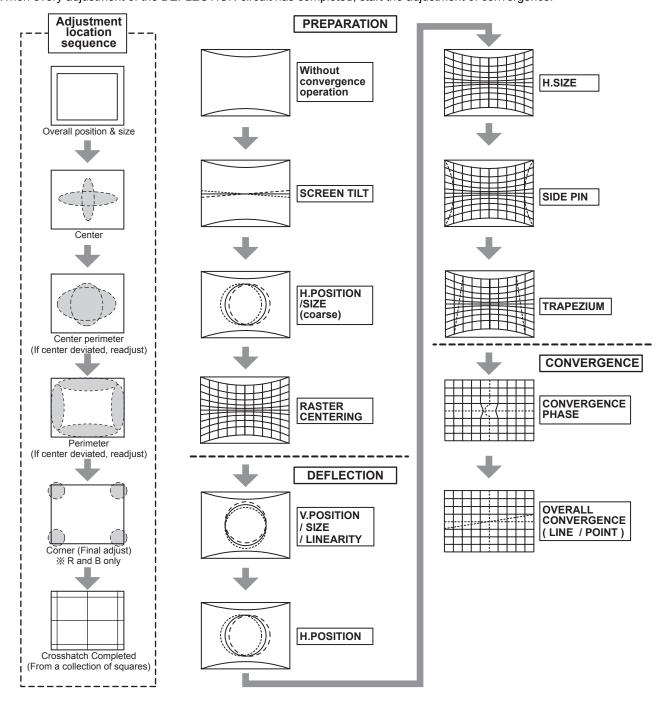
CAUTION:

All adjustments of the DEFLECTION circuit for this model should be carried out under the status without convergence operation. To enter the mode without convergence operation, select 1.PICTURE/SOUND and change the data in the setting item F62 from 0 to 1. (For details, please refer to the adjustment of DEFLECTION.)

As a result, you can get the screen as shown in bellow figure. Adjust the DEFLECTION circuit in order of the steps indicated by the downward arrows.

NOTE:

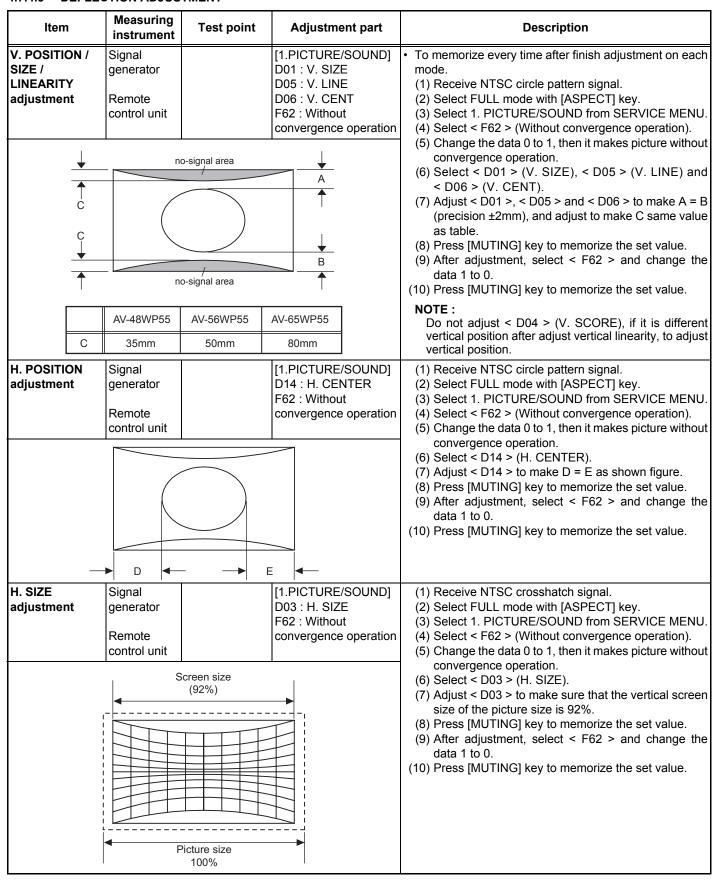
When every adjustment of the DEFLECTION circuit has completed, start the adjustment of convergence.



4.7.4.2 PREPARATION

Item	Measuring instrument	Test point	Adjustment part	Description
SCREEN TILT adjustment	Signal generator Remote control unit		TEST MODE [5.CONVER OFF] G DEF. YOKE R DEF. YOKE B DEF. YOKE [PROJECTION UNIT]	 Confirm correct FOCUS adjustment. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF]. (3) Select crosshatch pattern with [INPUT] key. (4) Makes a green single color. NOTE: When making a single color, while adjusting of one CRT, put the cap on other lens. (5) Temporarily secure the G deflection yoke to the top of the neck and adjust the tilt of the deflection yoke so that the horizontal line at the center becomes flat. After adjustment, fasten the temporal screw. (6) Adjust the tilt of the R and B deflection yokes in the same manner as for green. NOTE: Make sure that the adjustment of CRT FOCUS is optimized at the center and at the fringe of the center in turn. If the proper adjustment has not been done, adjust FOCUS VR again.
H. POSITION / SIZE (coarse) adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D03: H. SIZE D14: H. CENTER F62: Without convergence operation	 (1) Receive NTSC circle (or crosshatch) signal. (2) Select 1. PICTURE/SOUND from SERVICE MENU. (3) Select < F62 > (Without convergence operation) with [CH +] / [CH -] keys. (4) Change the data 0 to 1, then it makes picture without convergence operation. (5) Makes a green single color. NOTE: When making a single color, while adjusting of one CRT, put the cap on other lens. (6) Select < D03 > (H. SIZE) and shorten the level until and perpendicular amplitude of vibration with until the blanking in Left and Right and on either side can be seen. (7) Select < D14 > (H. CENTER) and adjust horizontal position to make the screen center and signal center. (8) Select < D03 > and adjust horizontal size to make screen picture approx. 92% of H-SIZE. (9) Press [MUTING] key to memorize the set value. (10) After adjustment, select < F62 > and change the data 1 to 0. (11) Press [MUTING] key to memorize the set value.
RASTER CENTERING adjustment	Signal generator Remote control unit	ce	TEST MODE [5. CONVER OFF] G CENTERING magnet R CENTERING magnet B CENTERING magnet [DEF. YOKE]	NOTE: Carry out after finishing adjustment of H. POSITION and H. SIZE. (1) Receive NTSC crosshatch signal. (2) Enter TEST MODE [5.CONVER OFF] and select crosshatch pattern with [INPUT] key (3) Select crosshatch pattern with [INPUT] key. (4) Adjust G CENTERING magnet to make horizontal and vertical line center as mechanical center of screen. (5) Red and blue color too, are reflected by it. (6) Using R CENTERING magnet and B CENTERING magnet, adjusts for the line of the red(L1) and the blue(L2) to become the position of the left figure. NOTE: Vertical center position of the red and blue are the same as green.

4.7.4.3 DEFLECTION ADJUSTMENT



Item	Measuring instrument	Test point	Adjustment part	Description		
SIDE PIN adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D02 : EW D08 : BOT.CORN D09 : TOP.CORN F62 : Without convergence operation	 (1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select 1. PICTURE/SOUND from SERVICE MENU. (4) Select < F62 > (Without convergence operation). (5) Change the data 0 to 1, then it makes picture without convergence operation. 		
	Straight			 (6) Select < D02 > (EW), < D08 > (BOT.CORN) and < D09 > (TOP.CORN). (7) Adjust < D02 >, < D08 >, < D09 > to make the vertical lines at the left and right edges of the screen straight (8) Press [MUTING] key to memorize the set value. (9) After adjustment, select < F62 > and change the data 1 to 0. (10) Press [MUTING] key to memorize the set value. NOTE: After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust Here SIZE & SIDE PIN reparably. 		
TRAPEZIUM adjustment	Signal generator Remote control unit		[1.PICTURE/SOUND] D07 : EW.TRAP F62 : Without convergence operation	 (1) Receive NTSC crosshatch signal. (2) Select FULL mode with [ASPECT] key. (3) Select 1. PICTURE/SOUND from SERVICE MENU. (4) Select < F62 > (Without convergence operation). (5) Change the data 0 to 1, then it makes picture without convergence operation. 		
Parallel		(6) Select < D07 > (EW.TRAP). (7) Adjust < D07 > to bring the vertical lines at the right and left edges of the screen parallel. (8) Press [MUTING] key to memorize the set value. (9) After adjustment, select < F62 > and change the data 1 to 0. (10) Press [MUTING] key to memorize the set value. NOTE: After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.				

4744 CONVERGENCE ADJUSTMENT

Item	Measuring instrument	Test poin	ıt Adjusti	ment part	Description
CONVERGENCE PHASE [check]			CPA05 : F CPA06 : S CPA07 : S CPA08 : C	POV OFST INEP STARTLIN A STARTLIN B CAU H2 COARS OFST 110FSTA	(1) Receive NTSC crosshatch signal.(2) Select 6.CONVER A from SERVICE MENU.
	Item No.		Initial setting value 0 1245 56 -1 0 -50 7 0		 (3) Select < CPA > item with [INPUT] key. (4) Check and set data that < CPA04 > ~ < CPA11> are same value as table1. (5) Press [MUTING] key to memorize the set values.
For a CPA For a CBA For a CBA	REMOTE CO INPUT key *** -> CCA** *** -> CDA** SELECT key Idjusting color char In memory *** CDA** *** CDA** *** CDA** *** CDA** *** CDA** *** CDA** *** SELECT key *** dijusting color char *** oring adjustment *** memory *** oring adjustment *** memory *** oring adjustment *** nemory *** oring adjustment ** oring adjustment *** oring adjustm	DESTAY DE	VCR VVV POWER SCREEN SCORE SCREEN SPUT 1 02 03 4 05 06 7 08 09 STUNE 0 RETRICH O SEPECT COK WARD VCRIMON O SEPECT COK WARD VCRIMON O SEPECT COK WARD VCRIMON FLAV FR PLAV		

Item	Measuring instrument	Test point	Adjustment part	
OVERALL	Signal		[6.CONVER A]	N
CONVERGENCE	generator		CPA01: FINE OFF	
(LINE)			CCA01: H CENT	
[check]	Remote		CCA02: H SIZE	
	control unit		CCA03: H LIN	
			CCA04: H SKEW	
			CCA05 : EW PIN	
			CCA06: H BOW	
			CCA07: V CENT	
			CCA08: V SKEW	
			CCA09: V SIZE	
			CCA10: V LIN	
			CCA11: V KEY	
			CCA12 :TB PIN	
	II			

Itama Na	14	Initial setting value				
Item No.	Item name	GREEN	RED	BLUE		
CCA01	H CENT	0	-246	395		
CCA02	H SIZE	-27	-54	16		
CCA03	H LIN	-96	240	-348		
CCA04	H SKEW	0	0	-10		
CCA05	EW PIN	-91	-26	-17		
CCA06	H BOW	0	-30	21		
CCA07	V CENT	-19	8	12		
CCA08	V SKEW	0	0	4		
CCA09	V SIZE	-108	-77	-105		
CCA10	V. LIN	15	12	8		
CCA11	V. KEY	0	114	-77		
CCA12	TB PIN	280	153	230		

Table-2

NOTE:

Be sure to make it the value of Table-2. Supposing data differs, correct to the value of Table-2.

Description

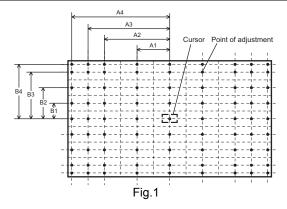
When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.

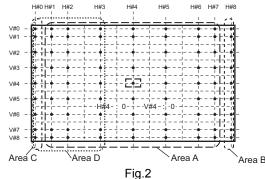
- (1) Receive NTSC crosshatch signal.
- (2) Select 6.CONVER A from SERVICE MENU.
- (3) Select < CPA01 > (FINE OFF).
- (4) Change the data 0 to1. (Clear the fine adjustment data)
- (5) Select < CCA > item with [INPUT] key. Then a green crosshatch pattern for adjustment will be displayed on the screen.
- (6) Check and set data < CCA01 > ~ < CCA11 > are same value as table2.
- (7) Press [SELECT] key to change the adjusting color to red and blue.

NOTE:

Press [OK] key to change the display colors. Whenever [OK] key is pressed, the menu will sequence in this order: "Two colors (adjusting color+green)" \rightarrow "Three colors (RGB)"

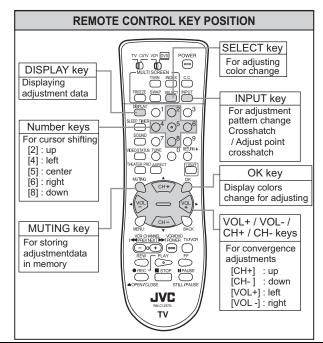
- (8) Press [MUTING] key to memorize the set value.
- (9) Select < CPA01 >.
- (10) Change the < CPA01 > 1 to 0.
- (11) Press [MUTING] key to memorize the set values.





	A1	A2	А3	A4	B1	B2	В3	В3
AV-48WP55	174	348	435	522	82	164	246	287
AV-56WP55	204	407	509	611	96	192	287	335
AV-65WP55	237	473	592	710	111	222	333	388

SPAN TABLE (mm)



NOTE:

Perform this adjustment after performing OVERALL CONVERGENCE (LINE) check.

Description

It adjusts displaying and checking adjustment data by the [DISPLAY] key. Adjust in order of Area A, Area B, Area C and Area D.

- (1) Receive NTSC crosshatch signal.
- (2) Select 7.CONVER B from SERVICE MENU. Then appear green crosshatch pattern for adjustment. (See Fig.1)
- (3) Press [DISPLAY] key for displaying and checking adjustment data.
- (4) Press [2]/[4]/[5]/[6]/[8] keys respectively, move the cursor to the adjusting point.
- (5) Press [CH+] / [CH-] / [VOL+] / [VOL-] keys, adjust the position of the adjusting point so that it is located at the place as shown in Fig.2.
- (6) Adjust Area A.
- (7) Adjust Area B.
- (8) Adjust Area C.
- (9) Adjust Area D. It adjusts toward an outside from the inner side of a screen. (e.g. H#3 > H#2 > ---) H#0 is fixed data with the value inputted by adjustment of Area C. When the point of H#0 needs to be adjusted, adjusts the data of H#1 and H#2. If the data of H#1 adjusts H#0, H#2 will move, the data of H#2 adjusts H#1 and H#2. It repeats if needed. (See Fig.3)
- (10) Press [SELECT] key to select the red and blue crosshatch patterns, respectively, and make convergence adjustments so that they align with the adjusting points of the green crosshatch pattern (reference color).
- (11) Press [OK] key to change the display colors to three colors from two colors (adjusting color + green) and make sure that the convergence has been aligned with each other.
- (12) Press [MUTING] key to memorize the set values.

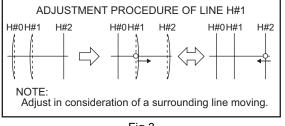


Fig.3

4.7.5 VIDEO ADJUSTMENT

Item		suring ument	Tes	st point	Adj	ustment part	Description
RGB CUTOFF adjustment	Signa gener Oscillo Remo contro	ator oscope ote	TP-G [G CR SOCK TP-B [B CR	ET PWB] ET ET PWB]	S14: C S16: C S18: C R SCR G SCR B SCR	UTOF B EEN VR EEN VR EEN VR	 (1) Receive NTSC signal (include 0% or -3% black). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Select FULL mode with [ASPECT] key. (4) Set the COLOR TEMP is LOW mode. (5) Connect the oscilloscope to TP-G. (6) Select 1.PICTURE/SOUND from SERVICE MENU. (7) Select < S03 > (BRIGHT). (8) Set < S03 > to 127.
Ī	Item No.	Item r	name	Initial settir	ng value	1	(9) Select < S16 > (CUTOF G). (10) Adjust < S16 > so that the 0% or -3% signal portion
						=	and the 100% signal portion of both sides may
	S03	BRIGH		12		-	become the 180V.
	S14	CUTOF		18		_	(11) Press [MUTING] key to memorize the set value. (12) Receive 480i component signal (include 0% or -3%
	S16	CUTOF		18		_	black).
	S18	CUTOF	- B	18	5	_	(13) Select < S03 >. (14) Set < S03 > to 127.
	S20	CUTOF	SWR	00	1]	(15) Select < S16 >.
	S21	CUTOF	SWG	00	1		(16) Set < S16 > same as memorized NTSC value.
	S22	CUTOF	FSWB	00	1		 (17) Select STANDARD mode with [VIDEO STATUS] key (18) Select FULL mode with [ASPECT] key. (19) The COLOR TEMP set at the LOW mode. (20) Set 1080i component signal (include 0% or -3% black). (21) Select < S03 >. (22) Set < S03 > to 127. (23) Select < S16 >. (24) Set < S16 > same as memorized NTSC value. (25) Connect the oscilloscope to TP-R and < S14 > (CUTOF R) adjust same manner as for 6. ~ 13 above. (26) Connect the oscilloscope to TP-B and < S18 > (CUTOF B) adjust same manner as for 6. ~ 13 above. (27) Adjust SCREEN VR for RGB respectively, so that the black (3%) becomes faintly whitish.
							NOTE: If it is difficult to adjust the SCREEN precisely adjust the SCREEN VR for one of three colors while masking other two colors.

Item	Measuring instrument	Test point	Adjustment part	
WHITE	Signal		[3.WHITE BALANCE]	Ī
BALANCE	generator		BR	l
(LOW LIGHT)			CUT R	l
adjustment	Remote control unit		CUT B	

3. WHITE BALANCE BRIGHT LEVEL BR *** DRIVE DRIVE DRIV R*** B*** CUTOFF Setting value

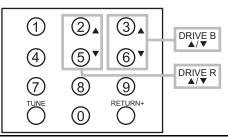
REMOTE CONTROL UNIT (2)(3)(1) CUT OFF G ▲/▼ (4)(5) (6)CUT OFF R **▲/▼** (7)**(8) ▲ (9) ▲** CUTOFF B **▲/▼** (0)▼

	1.PICTURE/SO	3.WHITE	BALANCE	
Item No.	Item name Initial setting value		Item name	Initial setting value
S03	BRIGHT	127	BR	127
S10	DRIVE R	085	DRV R	085
S12	DRIVE B	085	DRV B	085
S14	CUTOF R	185	CUT R	215
S16	CUTOF G	185	CUT G	215
S18	CUTOF B	185	CUT B	215

WHITE	Signal	[1.PICTURE/SOUND]
BALANCE	generator	S10: DRIVE R
(HIGH LIGHT)		S12: DRIVE B
adjustment	Remote	
	control unit	[3.WHITE BALANCE]
		DRV R
		DRV B

Signal	ı	Initial setting value					
Item	NTSC	480i	1080i				
S10	089	052	057				
S12	108	107	109				

REMOTE CONTROL UNIT



NOTE:

Before starting the adjustment, warm up the unit for more than 30 minutes.

Description

- (1) Receive NTSC gray scale signal (include 0% black).
- (2) Select STANDARD mode with [VIDEO STATUS] key.
- (3) Set the COLOR TEMP is LOW mode.
- (4) Select 3.WHITE BALANCE from SERVICE MENU.
- (5) Select < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B >.
- (6) Set the initial setting value.
- (7) Adjust < BR > so that the LOW-LIGHT should be visible.
- (8) Adjust using [8]/[0] keys and [9]/[RETURN+] keys so that a black portion may become black.
- (9) Press [MUTING] key to memorize the set values.
- (10) Input 480i component signal (include 0% black) from COMPONENT VIDEO terminal.
- (11) Repeat steps 5 ~ 9 above.
- (12) Input 1080i component signal (include 0% black) from COMPONENT VIDEO terminal.
- (13) Repeat steps 5 ~ 9 above.

NOTE:

- 3. WHITE BALANCE < BR >, < DRV R >, < DRV B >,
 CUT R >, < CUT G > and < CUT B > are equal to 1.
 PICTURE/SOUND < S03 >, < S10 >, < S12 >, < S14 >,
 S16 > and < S18 >.
- 3. WHITE BALANCE < BR >, < DRV R > and < DRV B > are same value as 1. PICTURE/SOUND < S03 >, < S10 > and < S12 >.
- 3. WHITE BALANCE < CUT R >, < CUT G > and < CUT B > are same value as 1. PICTURE/SOUND < S14 >,
 < S16 > and < S18 > plus 30.
- For example, 3.WHITE BALANCE < BR > value was changed from 127 to 120, 1.PICTURE/SOUND < S03 > value was changed from 127 to 120 automatically.
 3. WHITE BALANCE < CUT R > value was changed from 215 to 210, 1.PICTURE/SOUND < S03 > value was changed from 185 to 180 automatically.
- Receive NTSC grayscale signal (include 75% white).
- (2) Select STANDARD mode with [VIDEO STATUS] key.
- (3) Set the COLOR TEMP is LOW mode.
- (4) Select 1.PICTER/SOUND from SERVICE MENU.
- (5) Select < S10 > (DRIVE R) and < S12 > (DRIVE B).
- (6) Set the initial setting value.
- (7) Select 3.WHITE BALANCE from SERVICE MENU.
- (8) Adjust using [2]/[5]] keys and [3]/[6] keys so that the natural white should be visible on 75% white.
- (9) Press [MUTING] key to memorize the set value.
- (10) Input 480i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.
- (11) Repeat steps 4 ~ 9 above.
- (12) Input 1080i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.
- (13) Repeat steps 4 ~ 9 above.

	Item	Measurii instrume	_	est poi	nt	Adjust	tment p	art	Description
	BRIGHT stment	Signal generator Remote control un	t				.PICTURE/SOUND] 03: BRIGHT		 (1) Receive NTSC signal (include 0% or -2% black). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 1.PICTURE/SOUND from SERVICE MENU. (5) Select < S03 > (BRIGHT).
	Sign Item	al NT	80	Setting 48		10	80i		(6) Set the initial setting value. (See Table-1)(7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.
	\$03	STANDARD 118	THEATER 118	STANDARD 118 ble-1	THEATER 118	STANDARD 118	THEATER 118		 (8) Press [MUTING] key to memorize the set values. (9) Select THEATER mode with [VIDEO STATUS] key. (10) Repeat steps 4 ~ 8 above. (11) Input 480i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.
SUB		Signal				I.PICTUI			 (12) Repeat steps 2 ~ 10 above. (13) Input 1080i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal. (14) Repeat steps 2 ~ 10 above. [Method of adjustment without measuring instrument]
_	TRAST stment (1)	generator Remote control un	t		S	04: CON	ITRAST		 (1) Receive NTSC glay scale signal. (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Set the COLOR TEMP is LOW mode. (4) Select 1.PICTURE/SOUND from SERVICE MENU.
	Sign	nal NT	SC	Setting 48		10	80i		 (5) Select < S04 > (CONTRAST). (6) Set the initial setting value. (See Table-2) (7) If the contrast is not the best with the initial setting
	S04	STANDARD 054	THEATER 054	STANDARD 054	THEATER 054	STANDARD 054	THEATER 054		value, make fine adjustment of the < S04 > until you get the optimum contrast. (8) Press [MUTING] key to memorize the set values.
			Ta	able-2					 (9) Select THEATER mode with [VIDEO STATUS] key. (10) Repeat steps 4 ~ 8 above. (11) Input 480i component black & white signal from COMPONENT VIDEO terminal. (12) Repeat steps 2 ~ 10 above. (13) Receive 1080i component black & white signal from COMPONENT VIDEO terminal. (14) Repeat steps 2 ~ 10 above.
	TRAST stment (2)	Signal generator Oscillosco Remote control un	pe SO	G CRT CKET P	S	I.PICTUI 04: CON			[Method of adjustment with measuring instrument] (1) Receive NTSC gray scale signal (include -3%). (2) Select STANDARD mode with [VIDEO STATUS] key. (3) Select FULL mode with [ASPECT] key. (4) Set the COLOR TEMP is LOW mode. (5) Connect the oscilloscope to TP-G. (6) Select 1.PICTURE/SOUND from SERVICE MENU.
	SETTING VOLTAGE [V(p-p)]			(7) Select < S04 > (CONTRAST).(8) Adjust < S04 > so that the -3% signal portion and the					
	Signa Video Status	al NT	SC	48	0i	10	80i		100% signal portion of both sides may become the follow table voltage. (9) Press [MUTING] key to memorize the set value.
	STANDARD THEATER	6		69		+	0		 (10) Select THEATER mode with [VIDEO STATUS] key. (11) Repeat steps 8 ~ 9 above. (12) Receive 480i component gray scale signal (include)
	Table-3				 (12) Receive 480i component gray scale signal (include -3%). (13) Repeat steps 2 ~ 11 above. (14) Set 1080i component gray scale signal (include -3%) (15) Repeat steps 2 ~ 11 above. 				

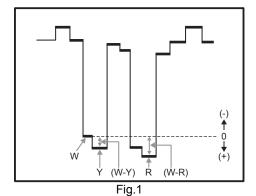
Item		Measuri instrum	•	Test	point	Ad	justment part
SUB COLOR / SUB TINT / B-Y GAIN adjustment (1)		Signal generator Remote control ur		TP-R [R CRT SOCKE TP-B [B CRT SOCKE TP-E (G	T PWB]	-	
Signal			Initial sett	ing value			
NTCC		22	1	on:	100	n	720n / 1090i

Signal		Initial setting value								
	NTSC		480i		480p		720p / 1080i			
Item	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER		
S01	096	083	085	075	079	076	074	071		
S02	060	050	062	068	059	066	065	065		
S07	017	027	012	024	013	018	019	020		

- Description

 [Method of adjustment without measuring instrument]
 - (1) Receive NTSC color bar signal (include 75% white).
 - (2) Select STANDARD mode with [VIDEO STATUS] key.
 - (3) Select 1.PICTURE/SOUND from SERVICE MENU.
 - (4) Select < S01 > (COLOR) and < S02 > (TINT).
 - (5) Set the initial setting value.
 - (6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint.
 - (7) Select < S07 > (B-Y).
 - (8) Set the initial setting value.
 - (9) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar.
- (10) Press [MUTING] key to memorize the set value.
- (11) Select THEATER mode with [VIDEO STATUS] key.
- (12) Repeat steps 3 ~ 10 above.
- (13) Input 480i component color bar signal from COMPONENT VIDEO terminal.
- (14) Repeat steps 2 ~ 12 above.
- (15) Input 480p component color bar signal from COMPONENT VIDEO terminal.
- (16) Repeat steps 2 ~ 12 above.
- (17) Input 1080i component color bar signal from COMPONENT VIDEO terminal.
- (18) Repeat steps 2 ~ 12 above.

Item	Item Measuring instrument		Adjustment part
SUB COLOR /	Signal generator	TP-R	[1.PICTURE/SOUND]
SUB TINT /		[R CRT	S01 : COLOR
B-Y GAIN	Oscilloscope	SOCKET PWB]	S02 : TINT
adjustment (2)		TP-B	S07 : B-Y
	Remote control unit	[B CRT SOCKET PWB] TP-E (GND)	



(-) † (-) † (+)

Fig.2

Setting item			Set	ting value	e [V]	
Setting item	F	4	E	3	С	D
	STANDARD		THEATER		STANDARD	THEATER
Signal	S01 (W-R)	S02 (W-Y)	S01 (W-R)	S02 (W-Y)	S07 (W-B)	S07 (W-B)
NTSC	+41	+15	+26	+9	+20	+15
480i	+22	+7	+12	+7	+4	-7
480p	+33	+18	+16	+7	+2	-4
1080i	+27	+12	+12	+5	+2	-4

Table

Description [Method of adjustment with measuring instrument]

- (1) Receive NTSC color bar signal (include 75% white).
- (2) Select STANDARD mode with [VIDEO STATUS] key.
- (3) Connect the oscilloscope to TP-R.
- (4) Select 1.PICTURE/SOUND from SERVICE MENU.
- (5) Select < S01 > (COLOR) and < S02 > (TINT).
- (6) Adjust < S01 > and < S02 > to be following setting value A[V]. (Refer to the bellow table)
- (7) Press [MUTING] key to memorize the set values.
- (8) Select THEATER mode with [VIDEO STATUS] key.
- (9) Adjust < S01 > and < S02 > to be following setting value B[V] same as above. (Refer to the table)
- (10) Press [MUTING] key to memorize the set values.
- (11) Select STANDARD mode with [VIDEO STATUS] kev.
- (12) Connect the oscilloscope to TP-B.
- (13) Adjust < S07 > (B-Y) to be setting value C[V]. (Refer to the table)
- (14) Press [MUTING] key to memorize the set values.
- (15) Select THEATER mode with [VIDEO STATUS] key.
- (16) Adjust < S07 > to be setting value D[V]. (Refer to the table)
- (17) Press [MUTING] key to memorize the set values.
- (18) Confirm that LOW-LIGHT is not different after adjusting. If it is green or magenta, to adjust LOW-LIGHT again. If adjust again, to set offset value again.
- (19) Input 480i component color bar from COMPONENT VIDEO terminal.
- (20) Repeat steps 2 ~ 18 above.
- (21) Input 480p component color bar from COMPONENT VIDEO terminal.
- (22) Repeat steps 2 ~ 18 above.
- (23) Input 1080i component color bar from COMPONENT VIDEO terminal.
- (24) Repeat steps 2 ~ 18 above.

4.7.6 AUDIO (MTS) ADJUSTMENT

Itei	m	Measuring instrument	Test point	Adjustme	nt part	Description
MTS INP	UT	Remote control unit		[1.PICTURE/S A01 : IN LEVE	-	 (1) Select 1.PICTURE / SOUND from SERVICE MENU. (2) Select < A01 > (IN LEVEL). (3) Verify that < A01 > is set at its initial setting value.
		TV audio multiplex signal generator Oscilloscope Remote control unit	AUDIO OUT L output R output	[1.PICTURE/S A02: LOW SE A03 : HI SEP.	P	 (1) Input stereo L signal (300Hz) from the TV au multiplex signal generator to the antenna termina (2) Connect an oscilloscope to L OUTPUT pin of AUDIO OUT, and display one cycle portion of 300Hz signal. (3) Change the connection of the oscilloscope to OUTPUT pin of the AUDIO OUT, and enlarge voltage axis. (4) Select < A02 > (LOW SEP.).
		nannel al waveform	R-Change crosstall	nel k portion		 (5) Set the initial setting value of < A02 >. (6) Adjust < A02 > so that the stroke element of the 300Hz signal will become minimum. (7) Change the signal to 3kHz, and similarly adjust < A03 > (HI SEP.). (8) Press [MUTING] key to memorize the set values.

SECTION 5 TROUBLESHOOTING

5.1 SELF-DIAGNOSIS FUNCTIONS

- · This model has self-check functions that inform of the failure of the TV by detecting abnormality.
- · Operational state is always monitored and the identified is memorized on the record.

Therefore, diagnosis may be prevented against expectations if "NG" are indicated in many items. When recurrence of symptoms can be predicted, erase (reset) the history of failure and allow the unit to again record the results of diagnosis.

5.1.1 HOW TO ENTER THE SELF-DIAGNOSIS MODE

- (1) Set the < SLEEP TIMER 30 MIN. > with [SLEEP TIMER] key. (Fig.1)
- (2) During the < SLEEP TIMER 30 MIN. > display, press [DISPLAY] key and [VIDEO STATUS] key at the same time.
- (3) Then < TEST MODE > screen is displayed. (Fig.2)
- (4) Press [4] key then < SELF-CHECK > screen is appear. (Fig.3)

5.1.2 HOW TO EXIT FROM THE SELF-DIAGNOSIS MODE

With initialization

on.

By using the remote control unit, turn the power off. At this time, the failure record is cleared.

With not initialization

- (1) Take off the AC plug from the wall outlet. At this time, the failure record is not cleared.
- (2) Press the [BACK] key the SELF-CHECK screen return to TEST MODE screen.

5.1.3 EXPLANATION FOR ACTIVATION OF SELF-DIAGNOSIS FUNCTIONS

- The latest failure is stored on the record at the end.
 The failure record for each check item is counted to the
 - number of 9 at the maximum, When more than 9 failures are stored on the record, the counter remains stopped at 9.
- · SYNC is neither counted nor stored in memory.
- Because of the timing of Vcc start-up and shut-down of the IC connecting to the I²C bus during which the power is turned on and off, the operation may be interpreted as an error.
 In order to avoid the misinterpretation, the self-check functions should be started at about 3 seconds after the power is turned

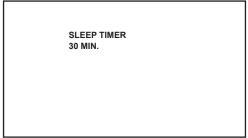
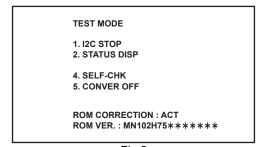
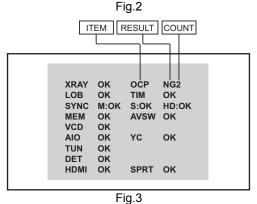


Fig.1





SELF-CHECK SCREEN

Indication	Check item	Details of detection	Method of detection
XRAY	X-ray radiation protection		
OCP	B1 over-current protection	B1 over-current is detected. Q971: DEF & CONVERGENCE OUT PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
LOB	Low B short protection	Operation of low B short protection circuit. Q1961(5V), Q1962(9V) : MAIN PWB	At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically.
TIM	Timer	The AC power frequency is changed as follows : $50\text{Hz} \rightarrow 60\text{Hz}$ $60\text{Hz} \rightarrow 50\text{Hz}$ IC1701(MICOM) : 17pin	Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting.

Indication	Check item	Details of detection	Method of detection
SYNC	Presence or absence of synchronized signal	Presence of synchronized signal. HD: Component signal M: NTSC main signal S: NTSC sub signal IC1301(AN15394A): MI-COM & DIST MODULE PWB	When entering the self-check mode, "OK" is shown. While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown.
МЕМ	Memory (EEP-ROM)	carried out.	The state is monitored every time when I ² C traffic is carried out. Then the state is counted as a failure if ACK is not returned.
AVSW	AV switch	Ditto IC1301(AN15852A) and IC1501(CXA2069Q) : MAIN PWB	Ditto
VCD	Video process (RGB process)	Ditto IC1301(AN15394A) : MI-COM & DIST MODULE PWB	Ditto
AIO	Audio process (MTS decode / audio control)	Ditto IC1502(M62320): MAIN PWB	Ditto
YC	3D YC separation	Ditto IC3001(MN82832) : MI-COM & DIST MODULE PWB	Ditto
TUN	RF tuner	Ditto RF tuner	Ditto
DET	DIST process	Ditto IC201(JCC5055) : MI-COM & DIST MODULE PWB	Ditto
HDMI	Digital input process [AV-65WP55]	Ditto IC001(Sil9993) : DIGITAL INPUT MODULE PWB	Ditto
SPRT			

5.1.4 SELF-CHECK DISPLAY LED

The self-check results are shown on the following LED display. Method of indication when the raster is not displayed.

Each failure is shown by turning POWER LED on and off at specified intervals.

 For X-ray radiation protection, B1 over-current protection, low B short protection and CRT neck broken protection, the power of the TV is turned off if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

Item	POWER LED ON / OFF intervals	
X-ray radiation protection	Turning on and off 0.1-second intervals	
B1 over-current protection	Turning on and off 1-second intervals	
Low B short protection	Turning on and off 2-second intervals	
CRT neck broken protection	Turning on and off 3-second intervals	

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JVC

SCHEMATIC DIAGRAMS

REAR PROJECTION TELEVISION

AV-48WP55/H, AV-56WP55/H, AV-65WP55/H

CD-ROM No.SML200406



BASIC CHASSIS

RP



AV-48WP55/H, AV-56WP55/H, AV-65WP55/H STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the A symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2) Setting positions of each knob/button and

: Original setting position variable resistor

when shipped

(3)Internal resistance of tester : DC 20k Ω /V

(4)Oscilloscope sweeping time ⇒ 20µs / div

 \Rightarrow 5ms / div

: Othters \Rightarrow Sweeping time is

specified

(5) Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM (1)Resistors

Resistance value

No unit $: [\Omega]$ Κ $: [k\Omega]$ M : [M Ω]

Rated allowable power

No indication : 1/16 [W] Others : As specified

Type

No indication : Carbon resistor

OMR : Oxide metal film resistor

MFR : Metal film resistor **MPR** : Metal plate resistor **UNFR** : Uninflammable resistor : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

Capacitance value

1 or higher :[pF] less than 1 : [µF]

Withstand voltage

No indication : DC50[V]

Others : DC withstand voltage [V] AC indicated : AC withstand voltage [V]

Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

Type

No indication : Ceramic capacitor MM : Metalized mylar capacitor Polypropylene capacitor

MPP : Metalized polypropylene capacitor

MF : Metalized film capacitor TF : Thin film capacitor BP : Bipolar electrolytic capacitor TAN : Tantalum capacitor

(3)Coils

No unit : [µH]

: As specified Others

(4)Power Supply

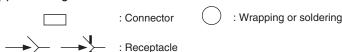


*Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

 \perp : LIVE side ground

: ISOLATED(NEUTRAL) side ground

: EARTH ground : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE: (⊥) side GND and the ISOLATED(NEUTRAL): (__,) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2) Do not short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.
- Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in

When ordering parts, please use the numbers that appear in the Parts List.

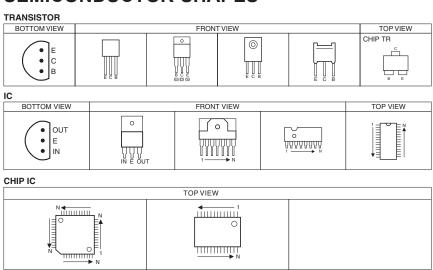
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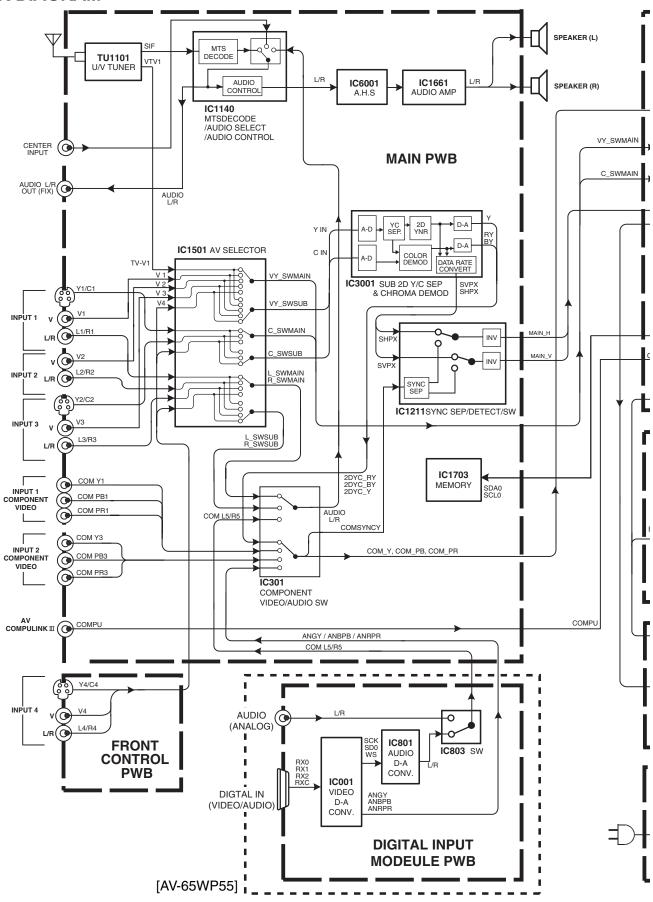
USING P.W. BOARD

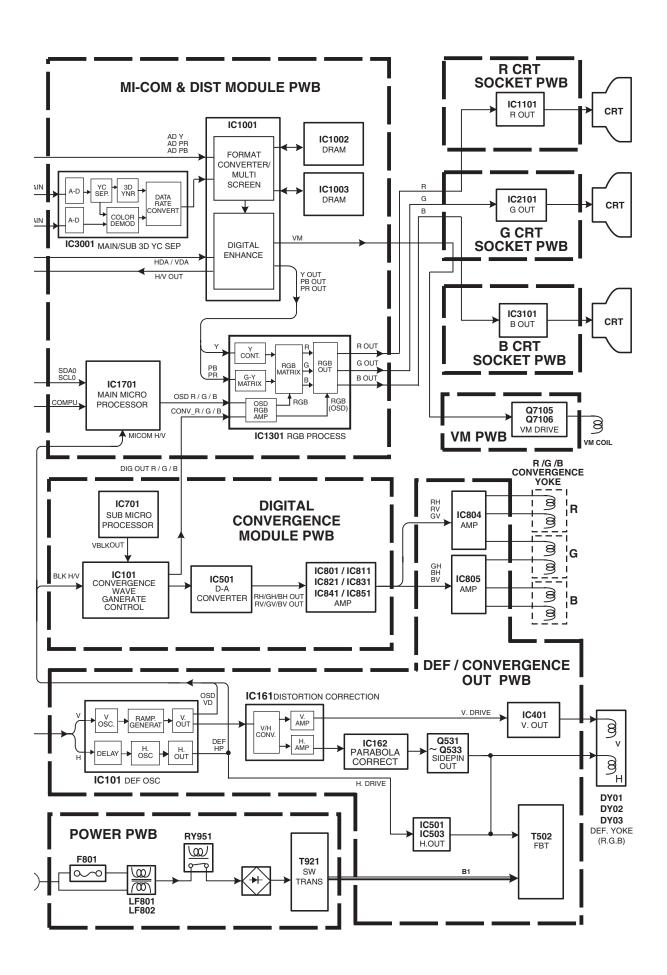
PWB ASS'Y name	AV-48WP55/H	AV-56WP55/H	AV-65WP55/H
MAIN P.W. BOARD	SRP-1003A-M2	SRP-1004A-M2	SRP-1002A-M2
R CRT SOCKET P.W. BOARD	SRP-3101A-M2	←	←
G CRT SOCKET P.W. BOARD	SRP-3201A-M2	←	←
B CRT SOCKET P.W. BOARD	SRP-3301A-M2	←	←
VM P.W. BOARD	SRP-7201A-M2	←	←
DEF/CONVERGENCE OUT P.W. BOARD	SRP-2002A-M2	←	←
POWER P.W. BOARD	SRP-9001A-M2	←	←
REMOCON SENSOR P.W. BOARD	SRP-8001A-M2	←	←
FRONT CONTROL P.W. BOARD	SRP0L001A-M2	←	←

SEMICONDUCTOR SHAPES



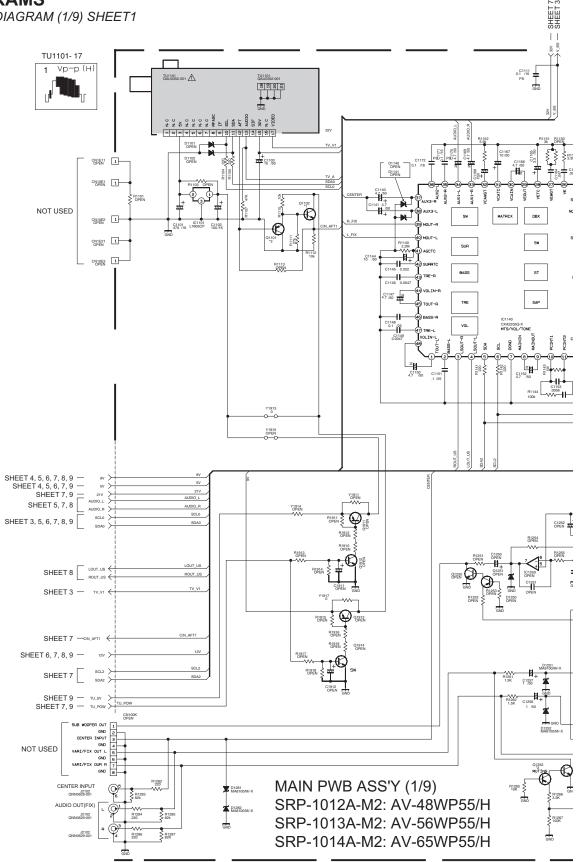
BLOCK DIAGRAM

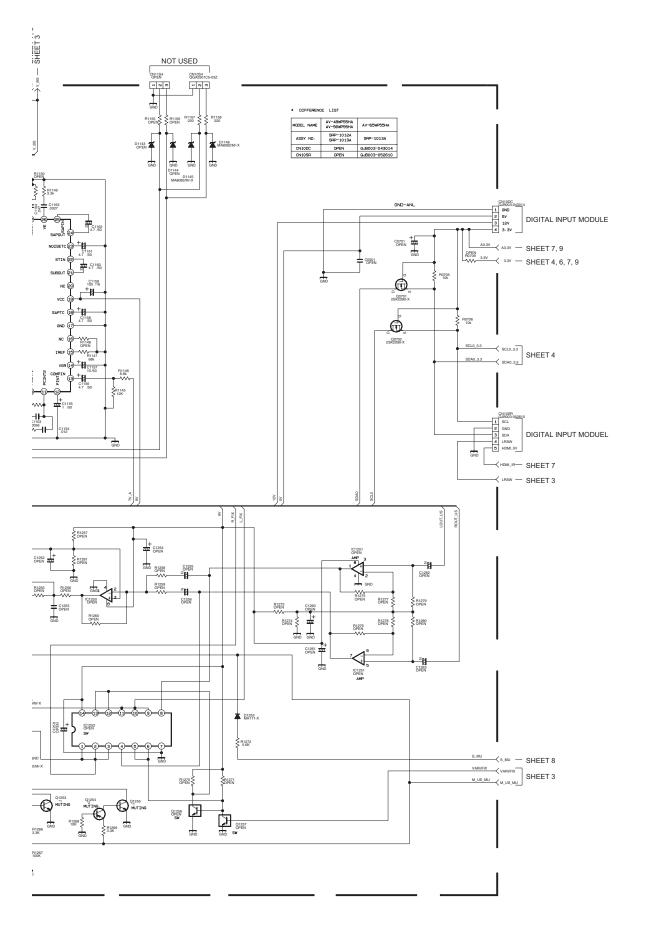




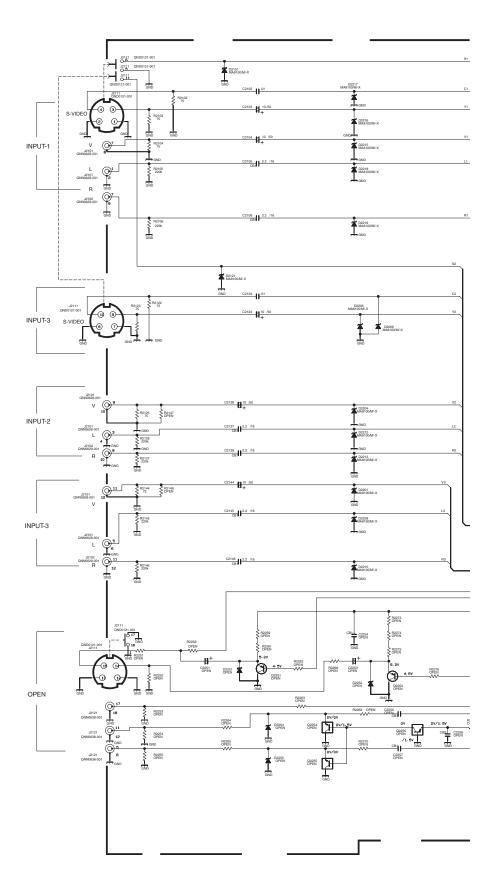
CIRCUIT DIAGRAMS

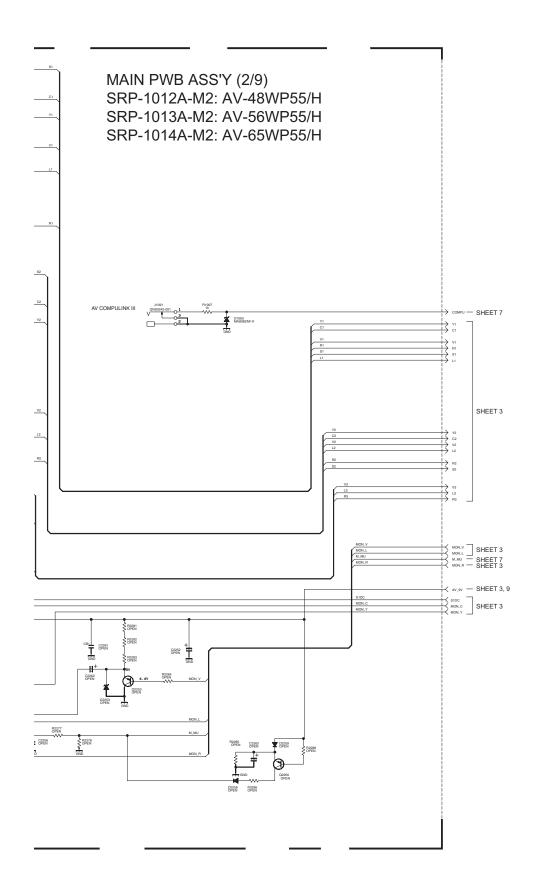
MAIN PWB CIRCUIT DIAGRAM (1/9) SHEET1

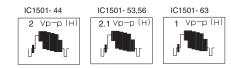


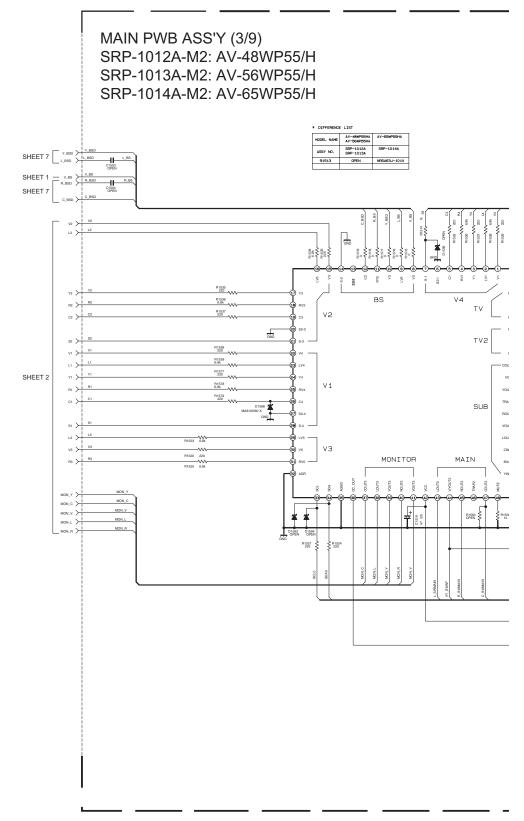


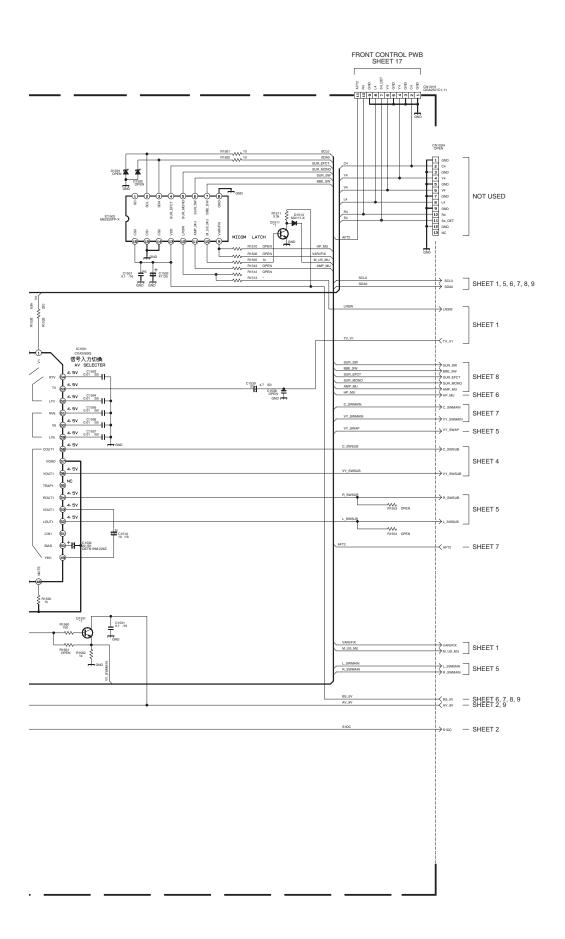
MODE PIN NO.	DC (V)
TU1101	
1	NC
2	NC 4.9
3	4.9
4	NC NC
5	NC NC
7	NIC
8	NC NC
9	NC
10	4.3
11	4.1
12	2.7
13	1.8
14	NC
15	34.1
16 17	NC 2
IC1101	
1	8.8
2	4.9
3	0
IC1140	
1	4
2	4
3	4
4	4
5	4.9 4.9
7	4.9
8	3.9
9	3.9
10	4
11	3.8
12	3.2
13	4
14	1.2
15	1.3
16 17	0
18	3.2
19	8.8
20	NC
21	4
22	4
23	4
24	3.8
25	4
26	3.9
27 28	1.9
29	1.9
30	4
31	1.8
32	4
33	4
34	4
35 36	4
37	4
38	4
39	3.9
40	3.9
41	1.1
42	4
43	4
44	4
45	4
46 47	4
48	4
Q1101	
	3.2
С	0
В	2.6
Q0701	
S	2.6
D G	4.4
	3.2
Q0702	2.9
S D	4.2
G	3.2
Q1252	5.2
E	0
С	-2.3
В	0
Q1253	
E C	0
C B	-2.3
B Q1254	-2.3
Q1254	0
C	-2.3
В	0
Q1255	
E	0
C	0
В	-2.3







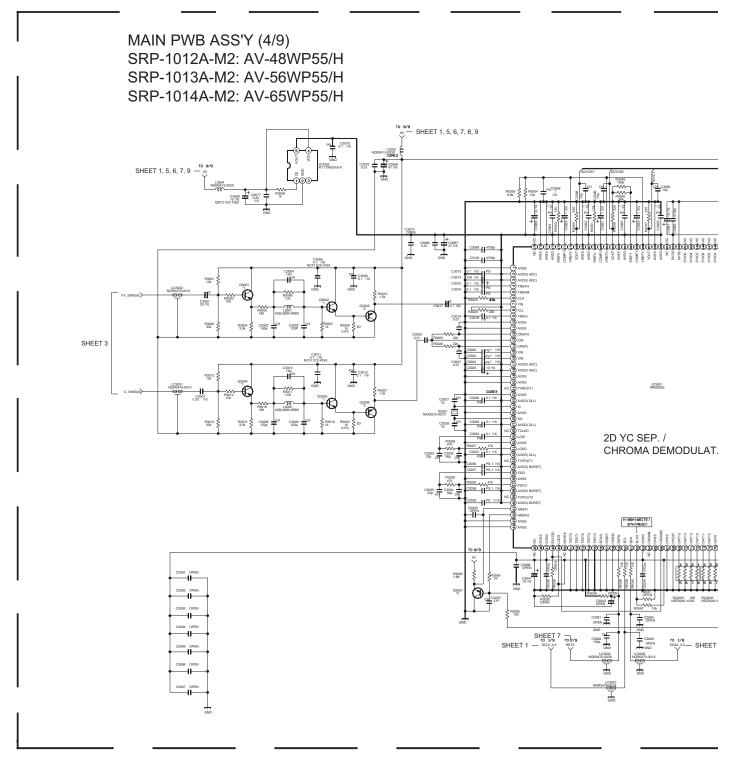


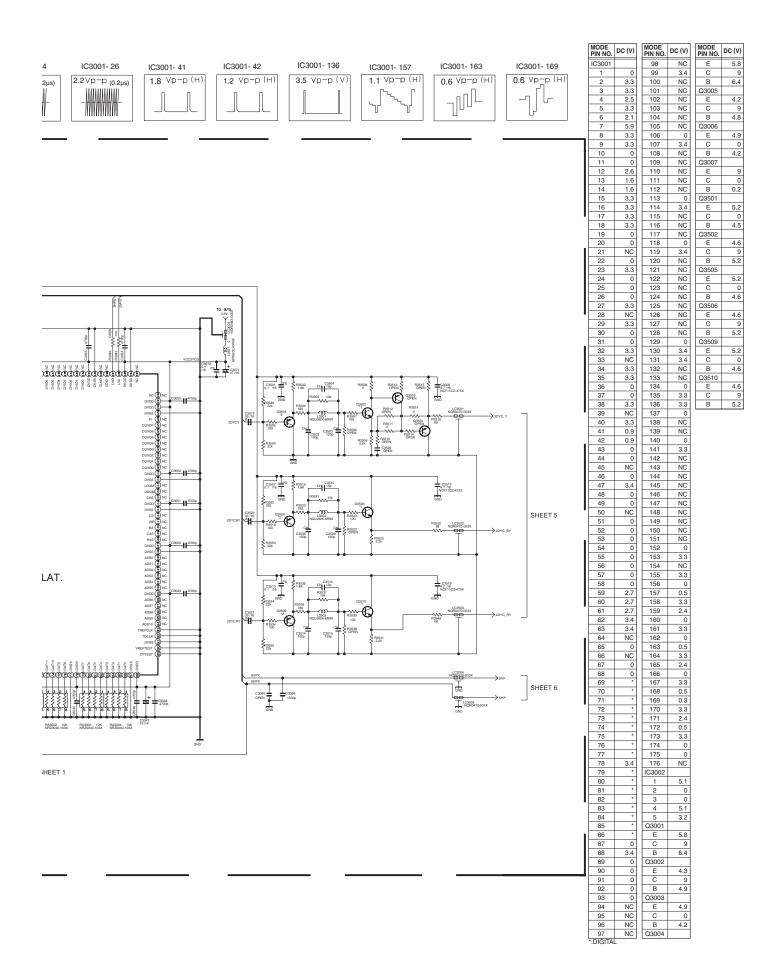


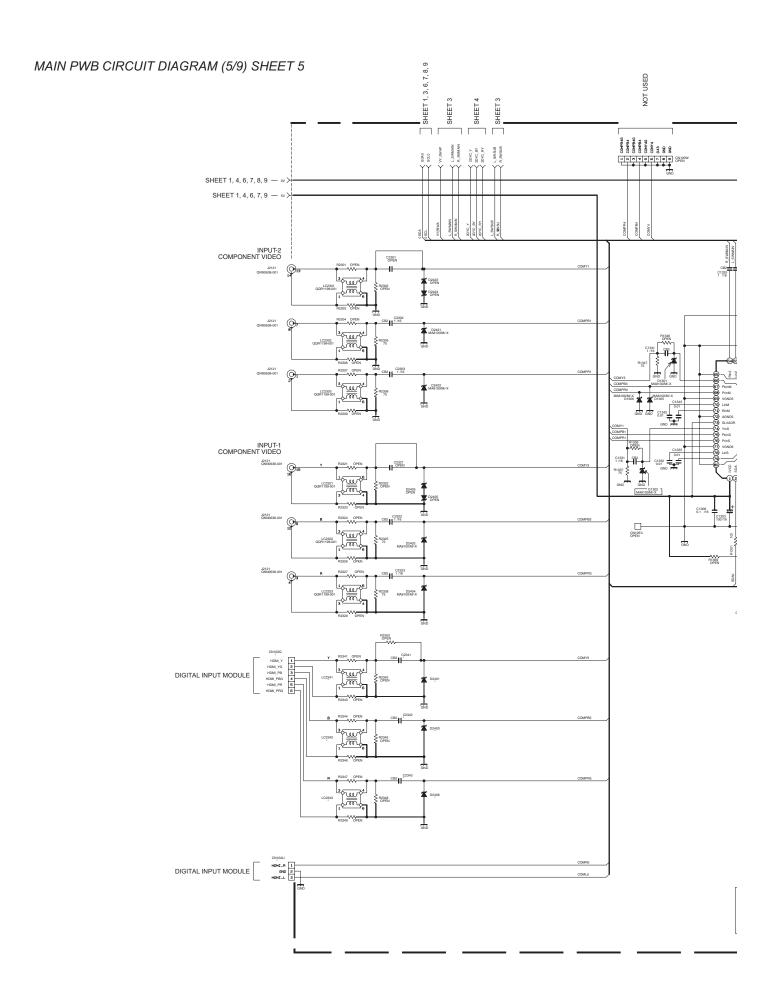
MODE PIN NO.	DC (V)
IC1501	
1	3.8
2	4.4
3	3.9
4	4.4
5	4.3
6	NC
7	4.8
8	3.9
9	4.4
10	5.1
	3.1
11 12	4.4
	4.3 NC
13	NC
14	0
15	3.8
16	4.4
17	3.9
18	4.4
19	4.4
20	0
21	4.9
22	3.9
23	4.4
24	3.9
25	4.4
26	4.3
27	0
28	4.9
29	4.4
30	3.9
31	4.4
32	0
33	4.2
34	4
35	0
36	-0.1
37	4.3
38	4.4
39	3.5
40	4.4
41	3.3
42	9
43	4.4
44	4.3
45	4.4
46	NC
47	4.4
48	0
49	3.9
50	4.4
51	NC
52	
53	4.4
53	3.5
54	4.4
55	NC 3.1
56	
57	0
58	4.3
59	4.4
60	3.9
61	4.4
62	4.4
63	4.3
64	4.4
IC1502	4.4
	NIC
2	NC 4.2
2	4.2 4.1
-	4.1
3	
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4 5	0
5 6	0 0
5 6 7	0 0
5 6	0 0
4 5 6 7 8	0 0
5 6 7	0 0 0 0 5.1
4 5 6 7 8 9	0 0 0 0 5.1 4.5
4 5 6 7 8 9 10	0 0 0 0 5.1 4.5
4 5 6 7 8 9 10 11	0 0 0 0 5.1 4.5 0 5.1
4 5 6 7 8 9 10 11 12 13	0 0 0 0 5.1 4.5 0 5.1 5.4
4 5 6 7 8 9 10 11 12 13	0 0 0 0 0 5.1 4.5 0 5.1 5.4
4 5 6 7 8 9 10 11 12 13 14	0 0 0 0 5.1 4.5 0 5.1 5.4
4 5 6 7 8 9 10 11 12 13 14 15	0 0 0 0 0 5.1 4.5 0 5.1 5.4
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511	0 0 0 0 5.1 4.5 0 5.1 5.4 0
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511 E	0 0 0 0 5.1 4.5 0 5.1 5.4 0 0 3.7
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511	0 0 0 0 5.1 4.5 0 5.1 5.4 0 0 5.1
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511 E C	0 0 0 0 5.1 4.5 0 5.1 5.4 0 0 5.1
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511 E C	0 0 0 0 5.1 4.5 0 5.1 5.4 0 0 5.1 3.7
4 5 6 7 8 9 10 11 12 13 14 15 16 Q1511 E C B	0 0 0 0 5.1 4.5 0 5.1 5.4 0 5.1 3.7 9 4.3
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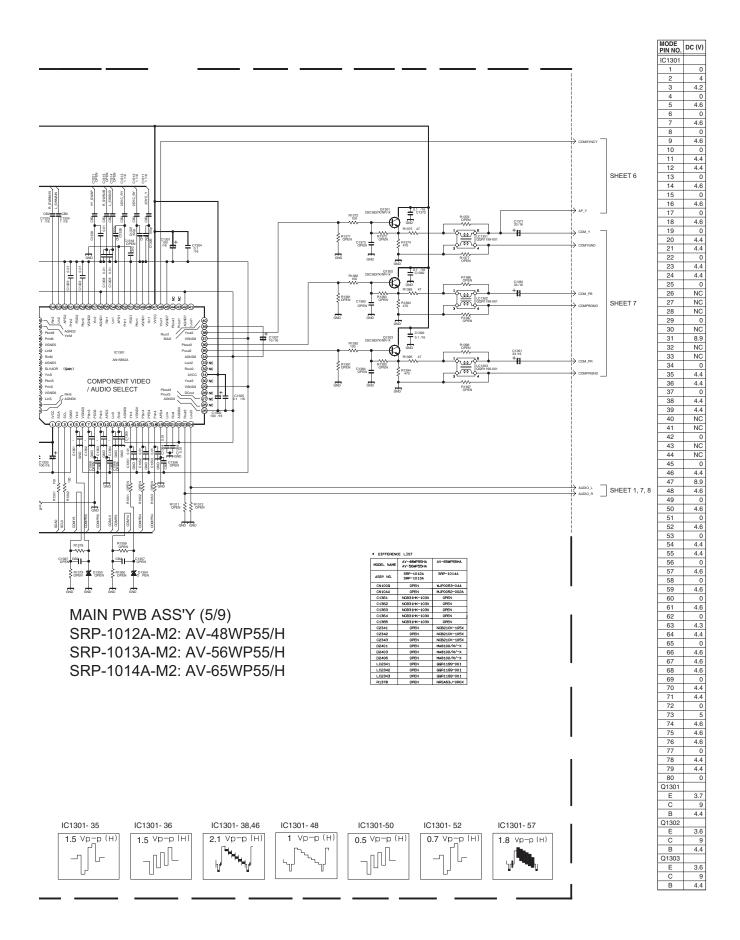


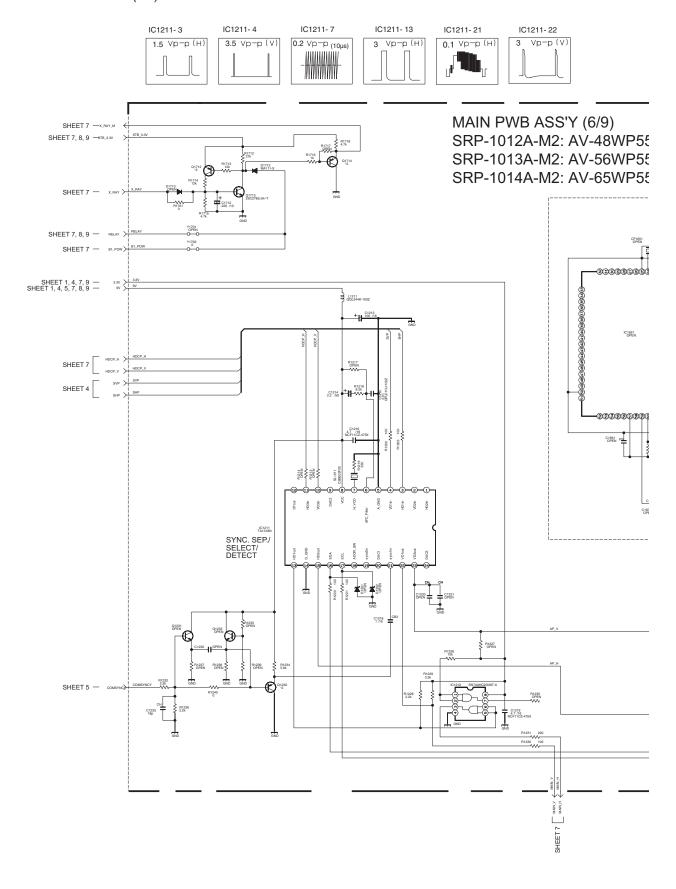


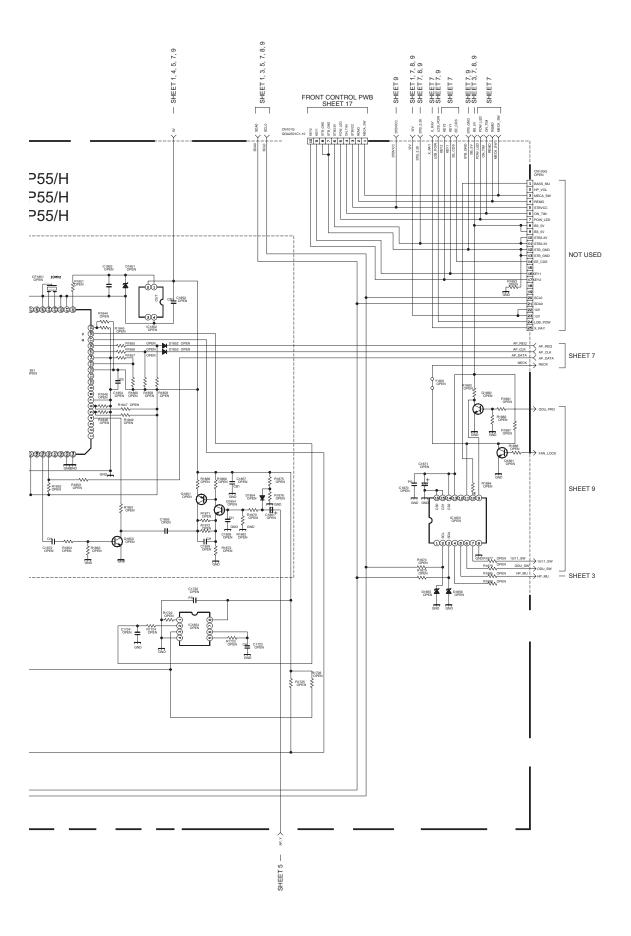








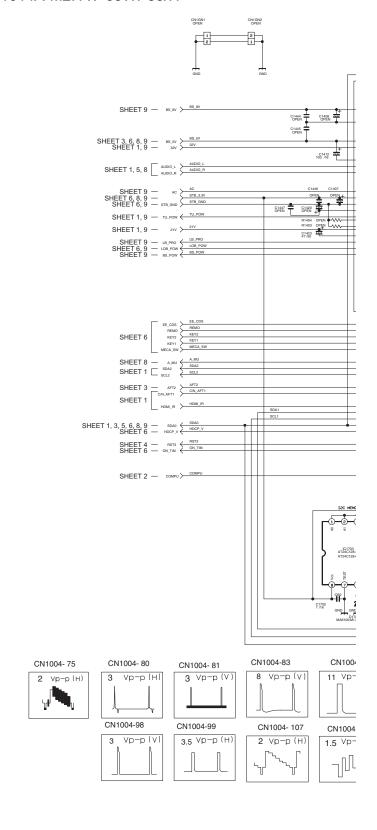


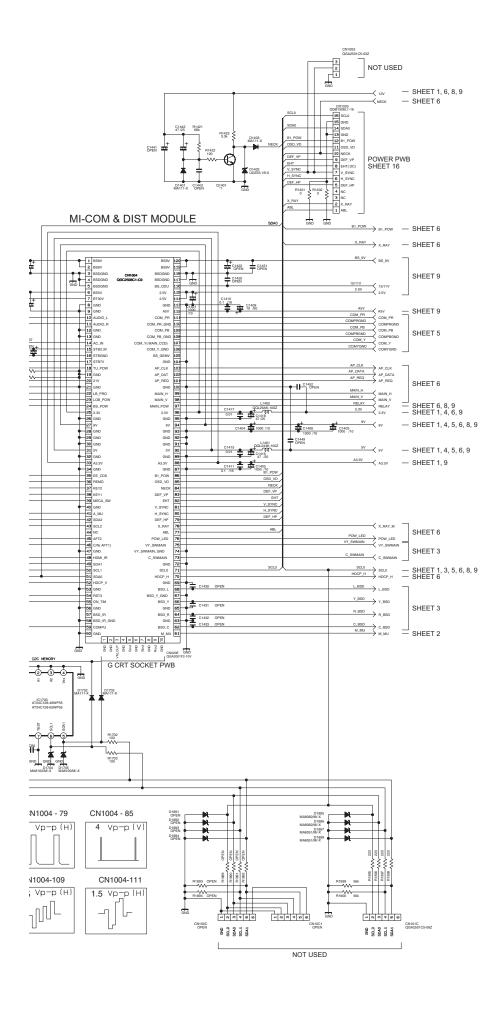


MODE PIN NO.	DC (V)
IC1211	
1	NC
2	NC
3	0.2
4	0
5	0
6	6.2
7	4.8
8	8.9
9	NC
10	0.2
11	0.3
12	NC
13	0.5
14	0.5
	0
15	4
16	
17	4.2
18	NC
19	NC
20	NC
21	0
22	0
23	0
24	NC
IC1212	
1	3.1
2	3.1
3	0.2
4	0
5	0.5
6	0.5
7	3.3
8	3.3
Q1232	
Е	2.8
С	0
В	0
Q1712	
Е	2.9
С	5.9
В	3.2
Q1713	
Е	0
C	3.2
В	6.2
Q1714	0.2
F F	2.9
C	0
В	3.2
D	3.2

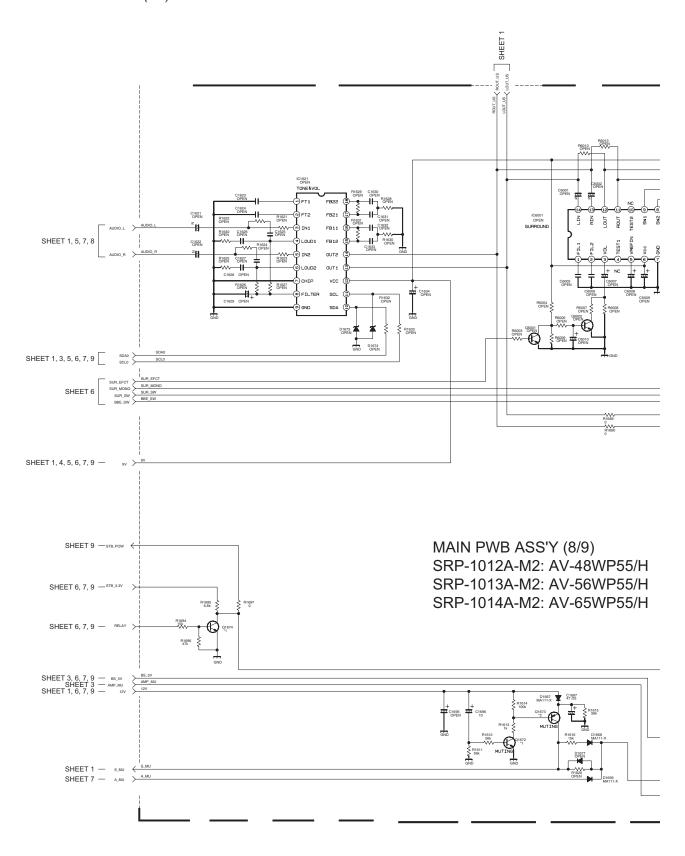
MAIN PWB ASS'Y (7/9)

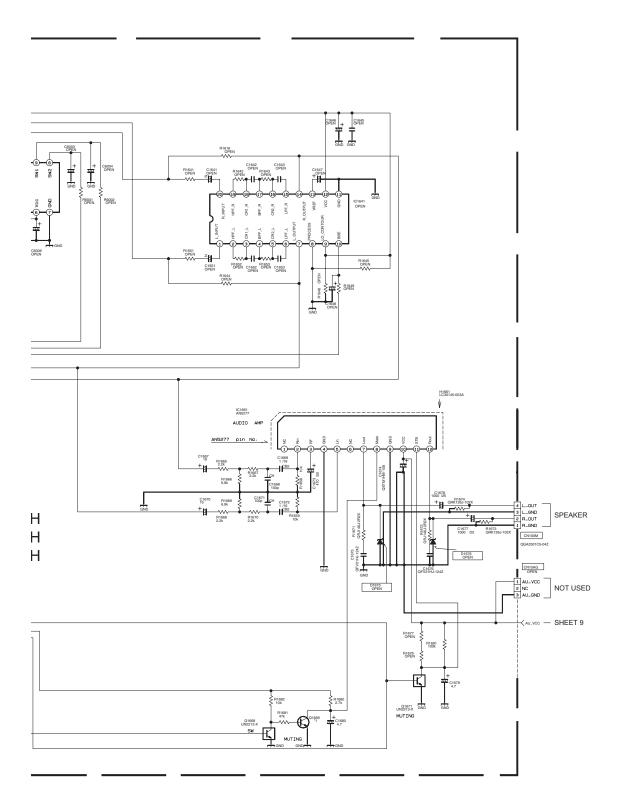
SRP-1012A-M2: AV-48WP55/H SRP-1013A-M2: AV-56WP55/H SRP-1014A-M2: AV-65WP55/H



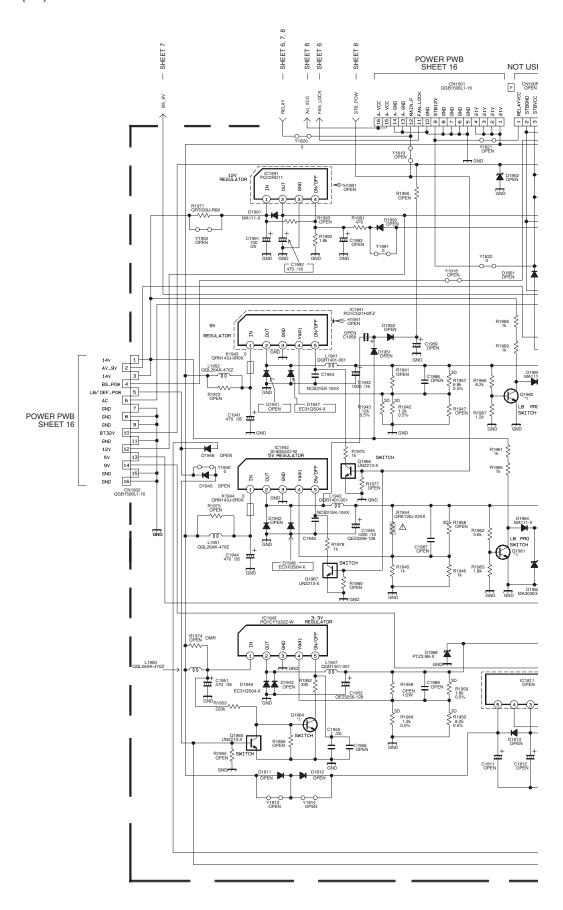


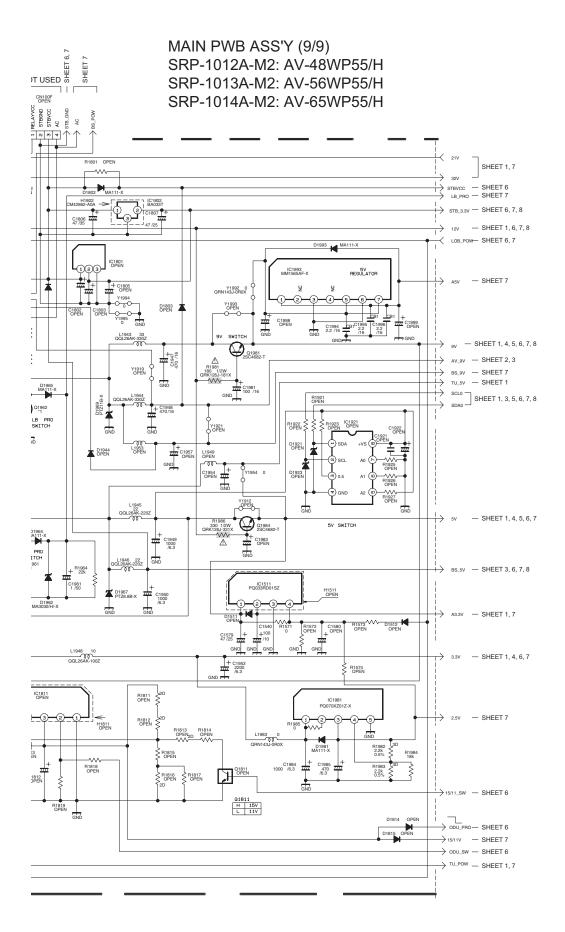
MODE PIN NO.	DC (V)	MODE PIN NO.	DC (V)
CN1004		67	0
1	0	68	0
2	0	69	0
3	0	70	0
4	0	71	4.6
5	0	72	4.6
6			
-	5.1	73	4.3
7	34.2	74	0
8	0	75	3.7
9	0	76	0
10	4.4	77	0
11	4.4	78	2.9
12	0	79	1.5
13	0	80	0
14	0	81	0
15	3.2	82	2.8
16	0	83	0.1
17	0	84	0
18	0	85	0.1
19	0	86	2.8
20	29.2	87	0
21	29.2	88	3.2
	·		
22	0	89	0
23	3.1	90	4.9
24	0	91	0
25	3.2	92	0
26	0	93	0
27	8.8	94	8.8
28	0	95	0
29	0	96	3.2
30	0	97	3
31	0	98	0.2
32	0	99	0.1
33	3.2	100	0
34	0	101	0
35	3.2	102	0
36	3.1	103	0
37	3.2	104	0
38	3.2	105	0
39		106	0
	3.2		
40	-	107	3.2
41	0	108	0
42	4.8	109	3.4
43	4.8	110	0
44	NC	111	3.5
45	0	112	4.9
46	0	113	0
47	0	114	2.5
48	2.6	115	2.5
49	2.7	116	0
50	2.7	117	0
51	4	118	0
52	0	119	0
53	0	120	0
54	3.1	IC1703	
55	0.1	1	0
56	0	2	0
57	0	3	0
	0	4	0
58	Ů		
59	0	5	2.7
60	0	6	2.7
61	0	7	0
62	4.3	8	3.2
63	0	Q1401	
64	0	E	0
65	0	С	0
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66	5.4	В	0.6





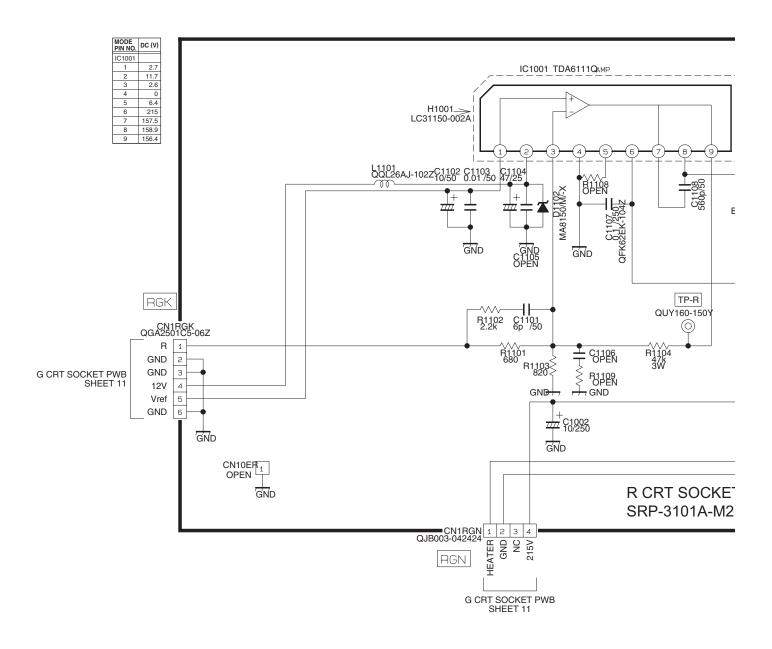
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IC6001	
1	4.4
2	
- 2	4.4
3	4.4
4	NC
5	4.4
6	9
7	0
8	0
9	0
	0
10	NC
11	4.4
12	4.4
13	4.4
14	4.4
	7.7
1	NC
2	0
3	29.3
4	0
5	0
6	NC
	INC
7	14.5
8	0
9	0
10	30.9
11	10.2
12	14.5
Q6001	14.5
	_
E	0
С	11.3
В	0
Q6002	
Е	0
C	0
В	0.6
	0.6
Q1668	
E	0
С	0
В	2.5
Q1669	
Е	0
C	4.6
В	-0.4
Q1671	
E	0
С	10.2
В	3.2
Q1672	
E	0
С	11.6
В	0
Q1673	
Е	0
С	0
	11.6
	11.6
B	
Q1674	_
Q1674	0
Q1674	0 3.2 0

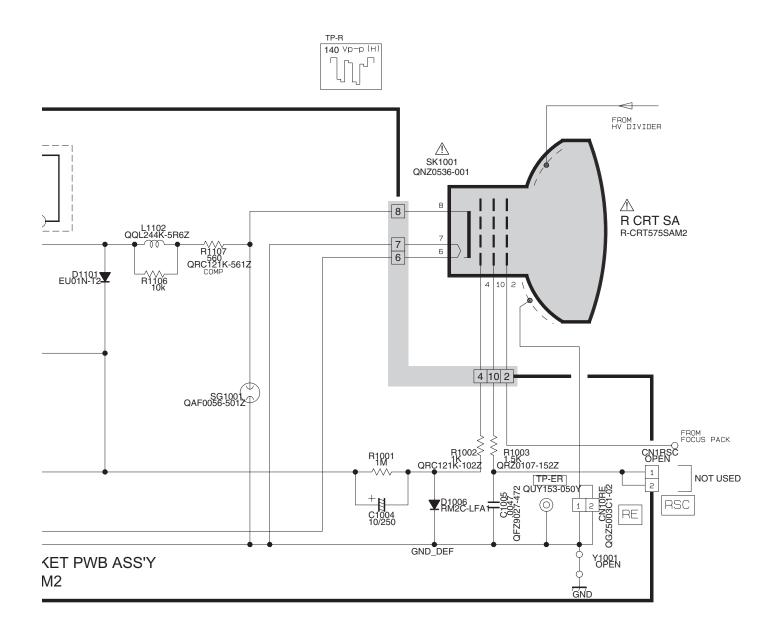


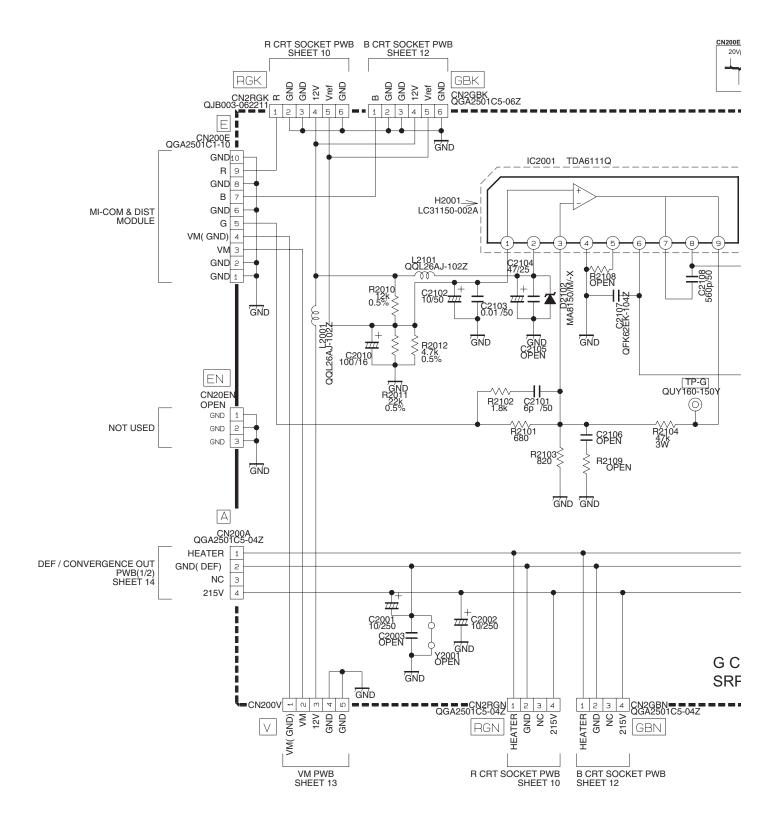


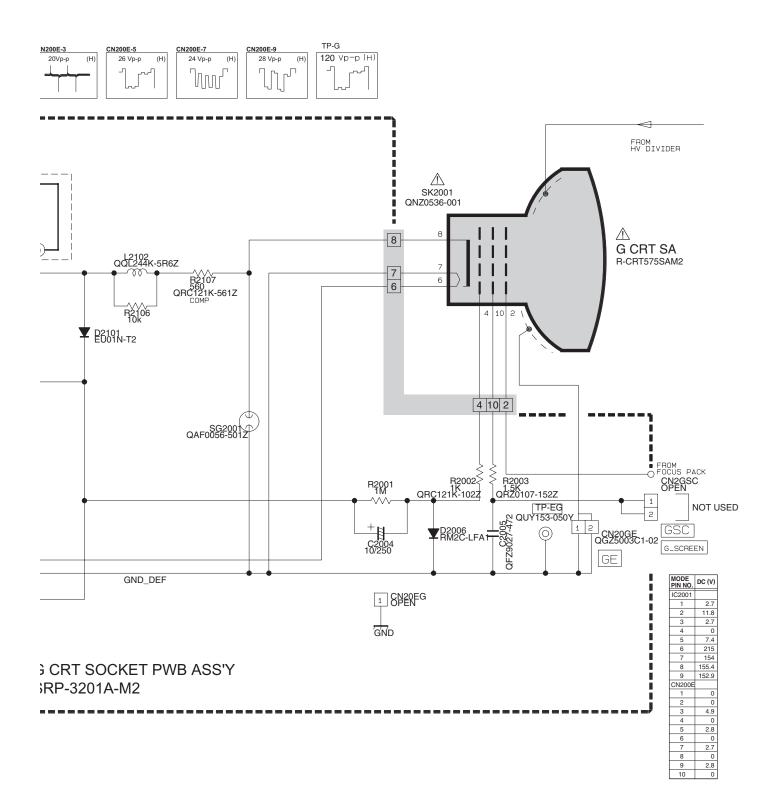
MODE PIN NO.	DC (V)
IC1511	
1	5
2	3.2
3	0
4	5
	⊢ °
1	13.2
2	3.2
3	0
C1941	
1	29.2
2	9.2
3	0
4	0
5	6.7
IC1942	
	00.0
1	28.9
2	5.3
3	0
4	4.9
5	2.2
C1943	
	-
1	28.8
2	3.6
3	0
4	1.2
5	6.7
C1981	
1	3.2
2	3.2
	2.5
3	
4	1.1
5	0
C1991	
1	13.9
2	11.8
3	0
4	2.4
IC1993	
1	4.9
2	NC
3	0
4	NC
5	8.9
6	0
7	8.9
	0.0
	-
E	0
С	0
В	0.6
	_
E	0
С	0
В	0.5
Q1964	
F	0
C	6.7
B	
	0
Q1965	L
Е	0
C	0
В	3.1
Q1966	
Е	0
C	6.7
	0
Q1967	
E	0
С	2.2
В	
	0
Q1981	
Е	8.9
C	8.9
B	
	9.6
Q1984	
<u>a 100 1</u>	5
	- 5
E C B	5.8

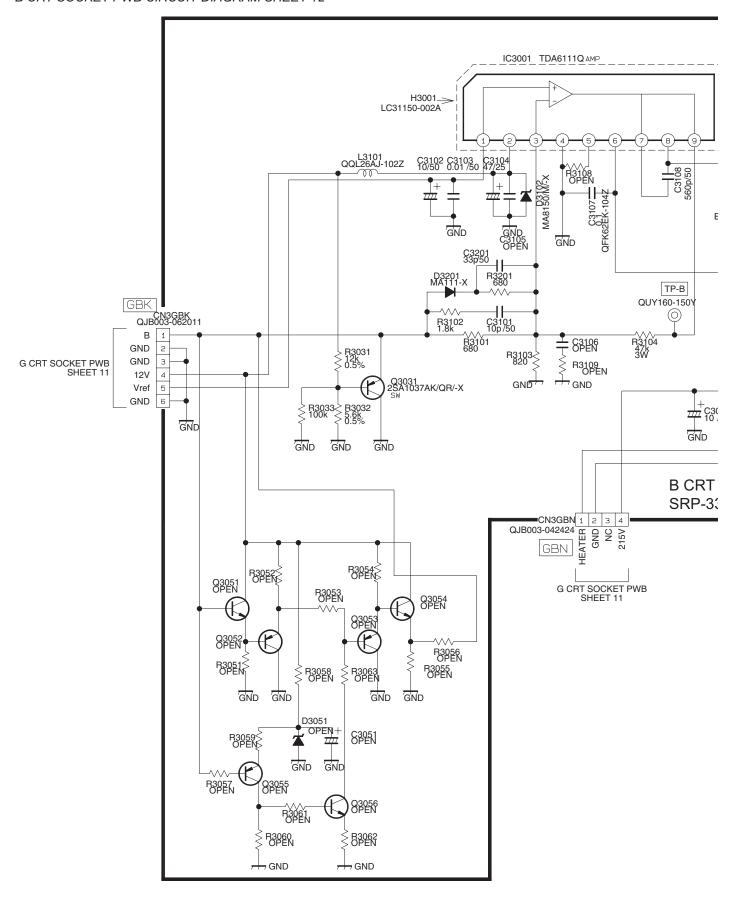
MODE DC (V)

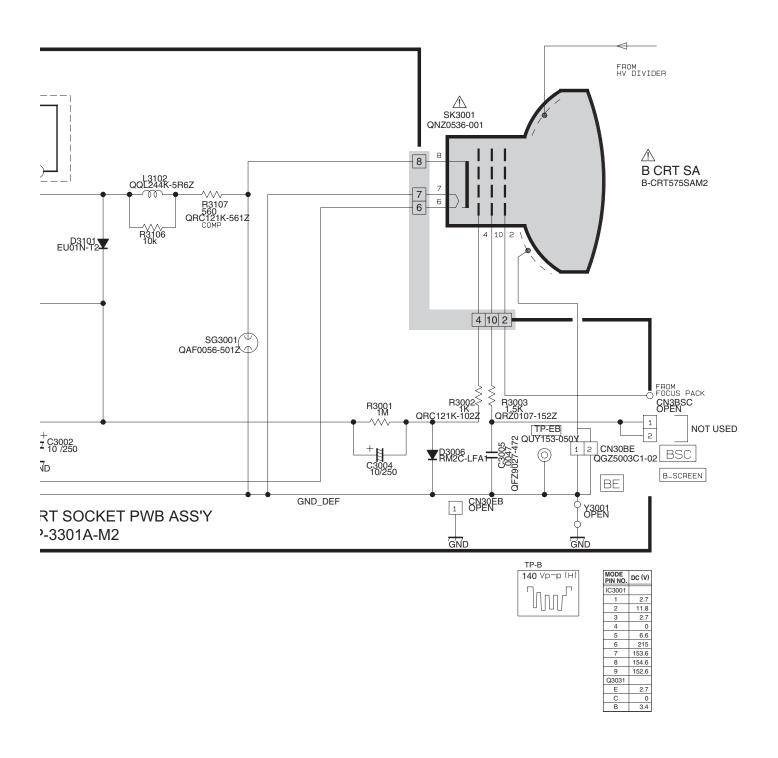


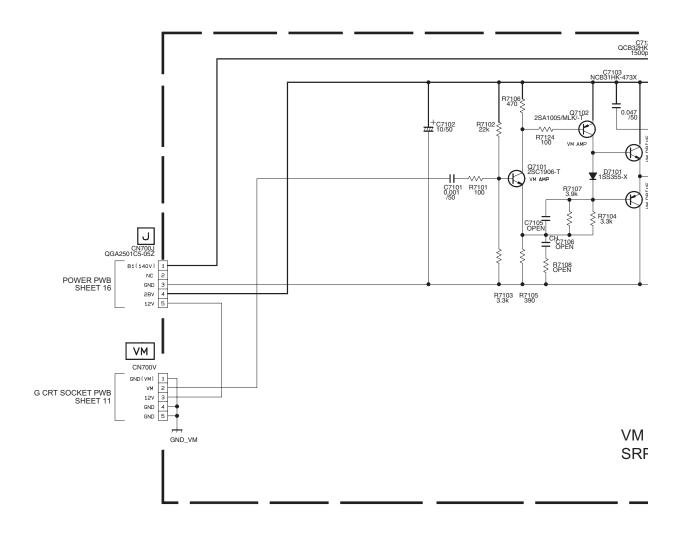


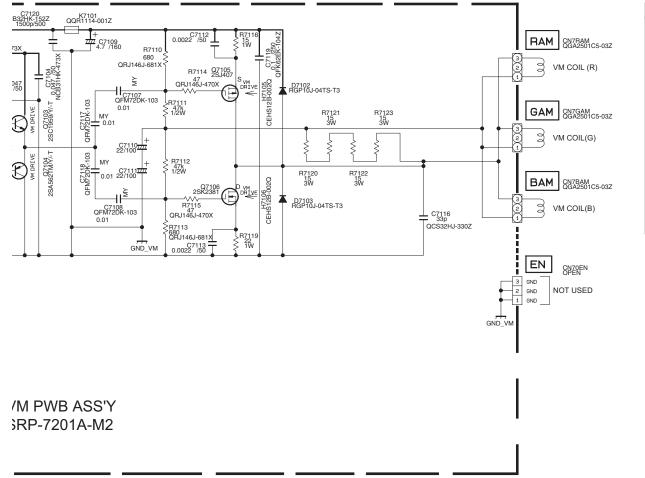




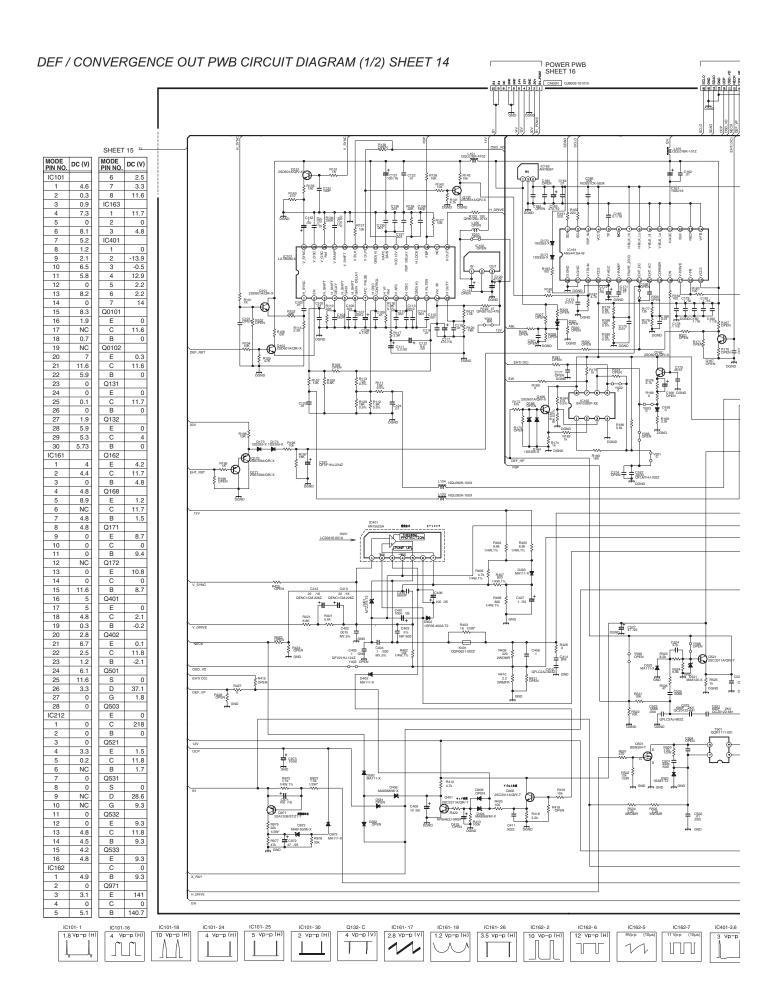


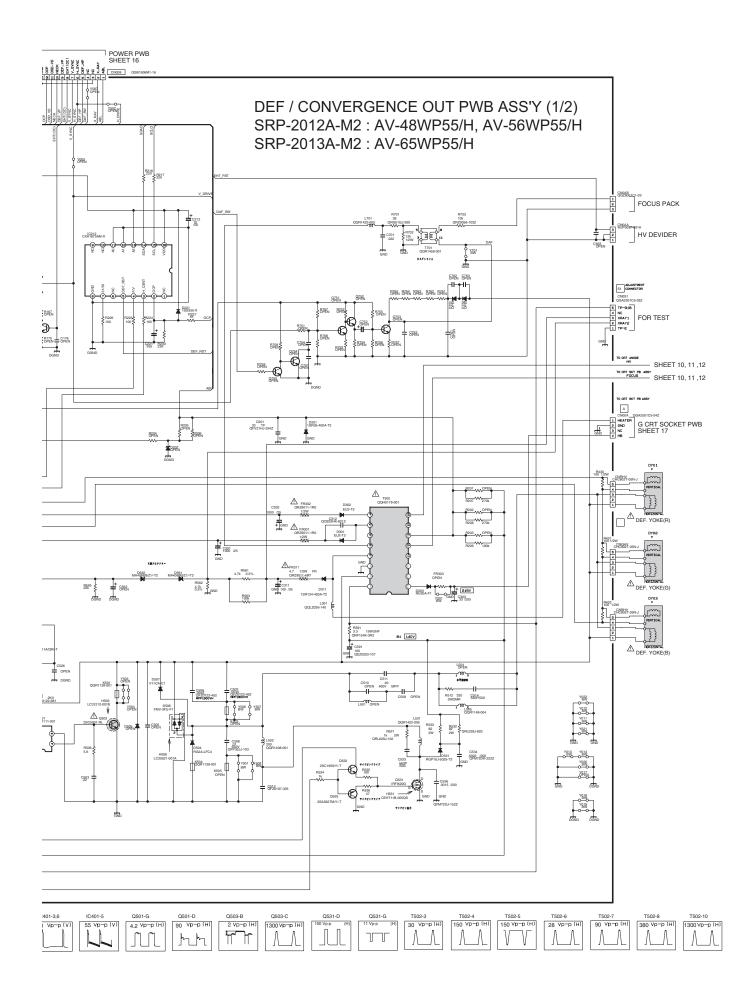


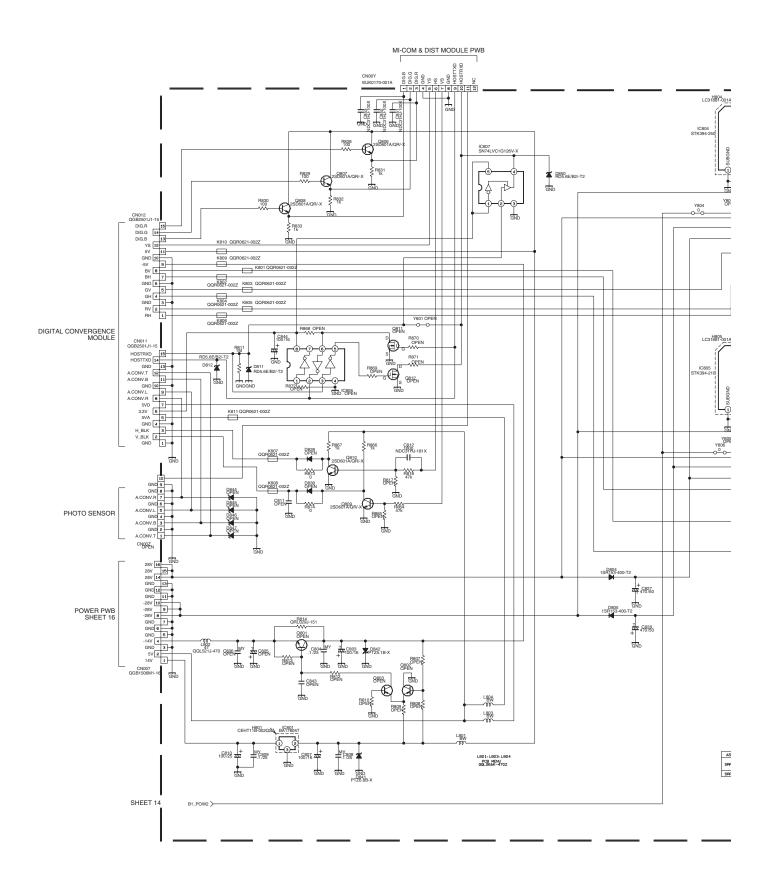


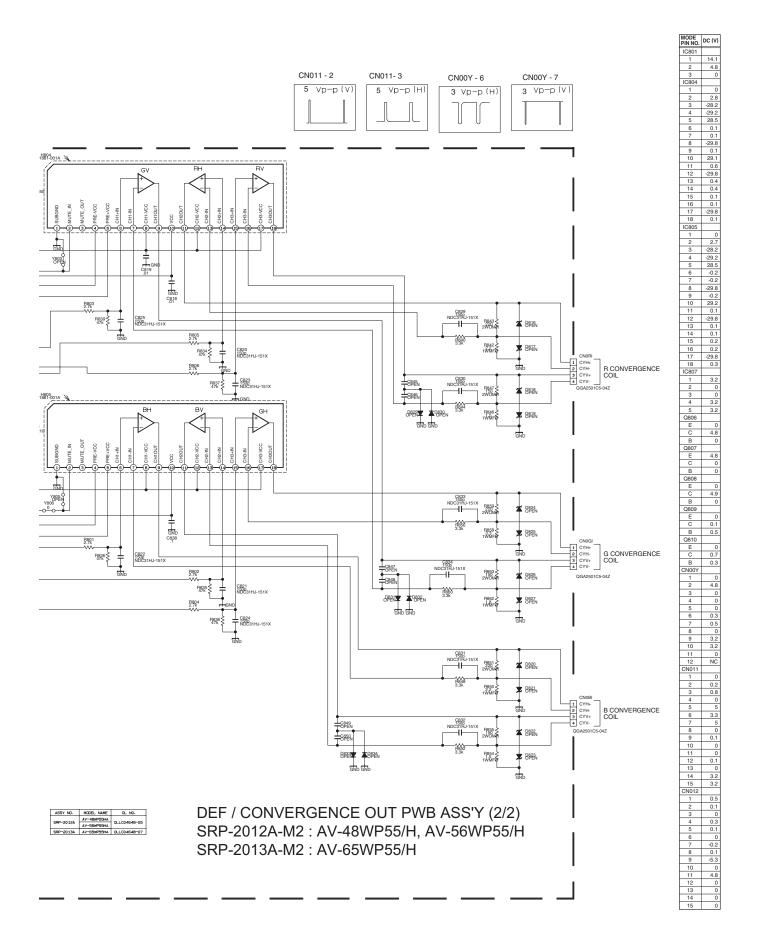


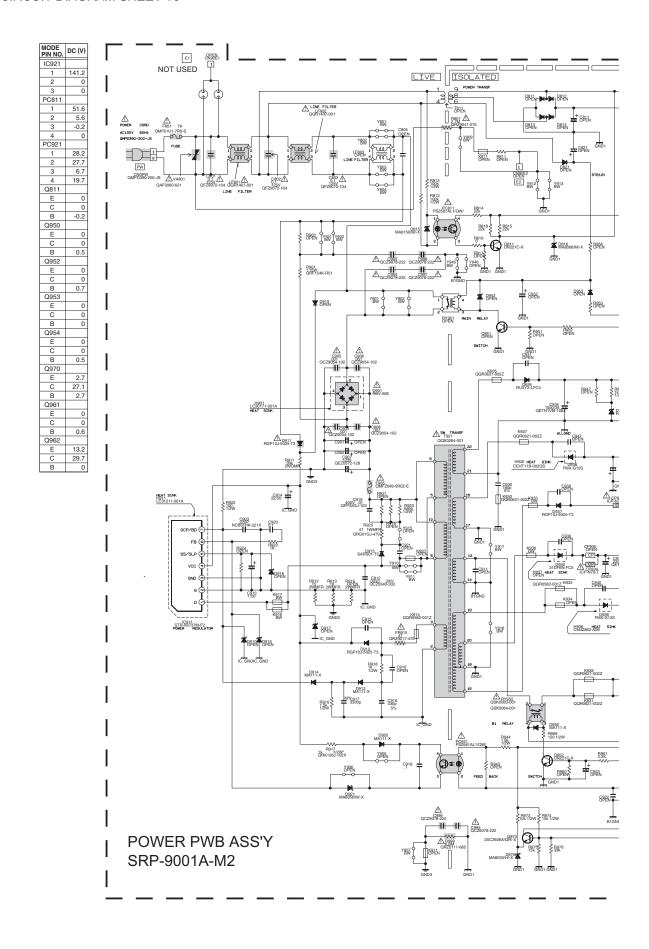
MODE PIN NO.	DC (V)
Q7101	
Е	1.1
С	6
В	1.7
Q7102	
Е	5.3
С	11.7
В	6
Q7103	
Е	3.2
С	5.3
В	11.7
Q7104	
Е	3.2
С	0
В	1.1
Q7105	
S	130
D	66.4
G	127.2
Q7106	
S	2.7
D	66.4
G	3.2

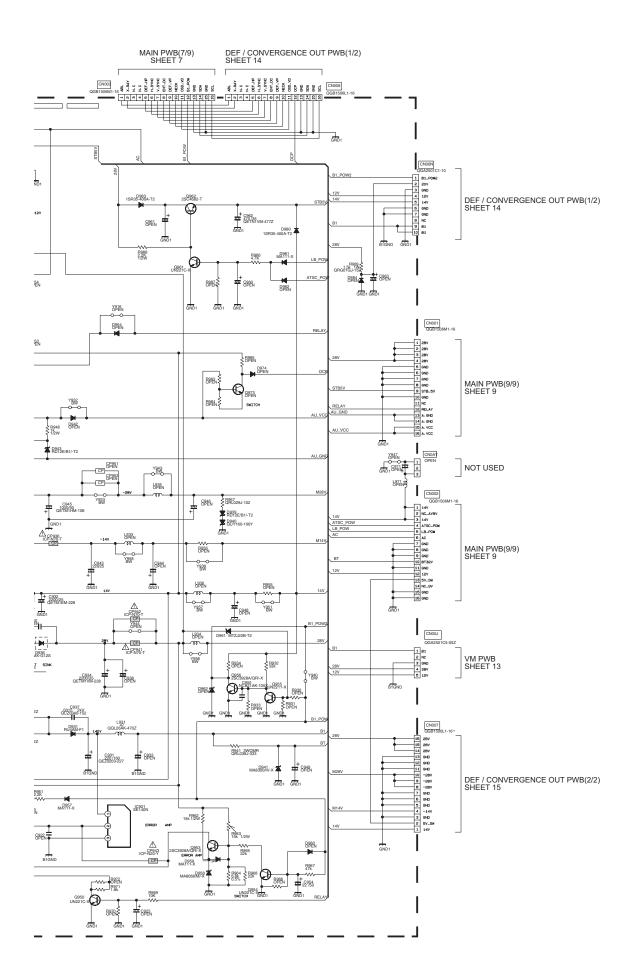


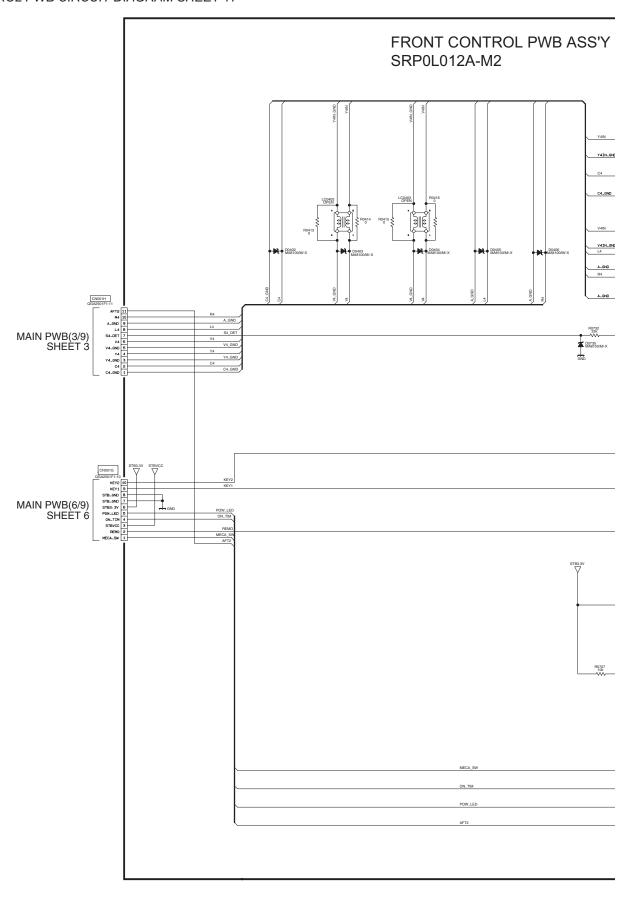


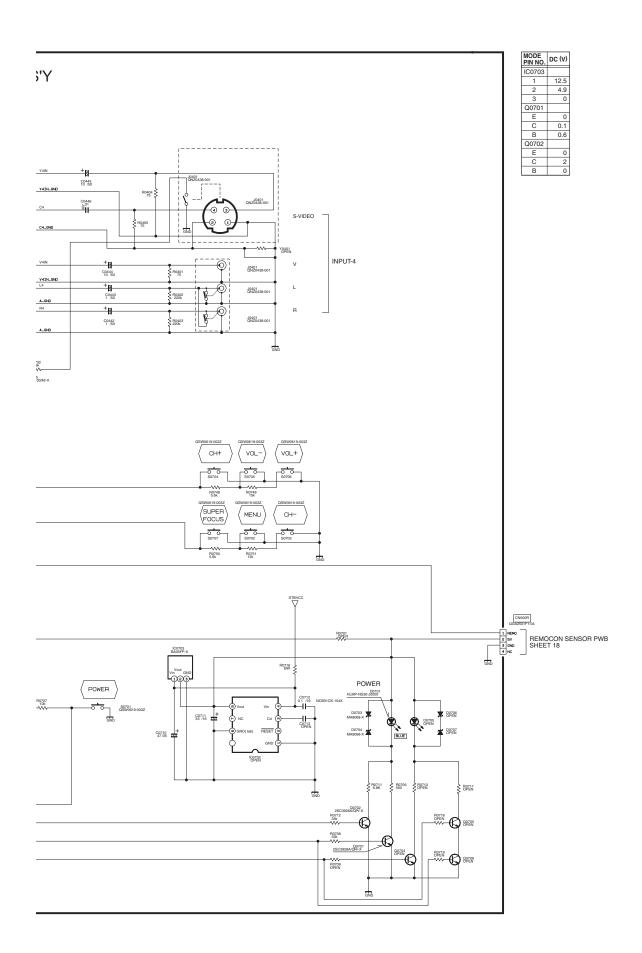


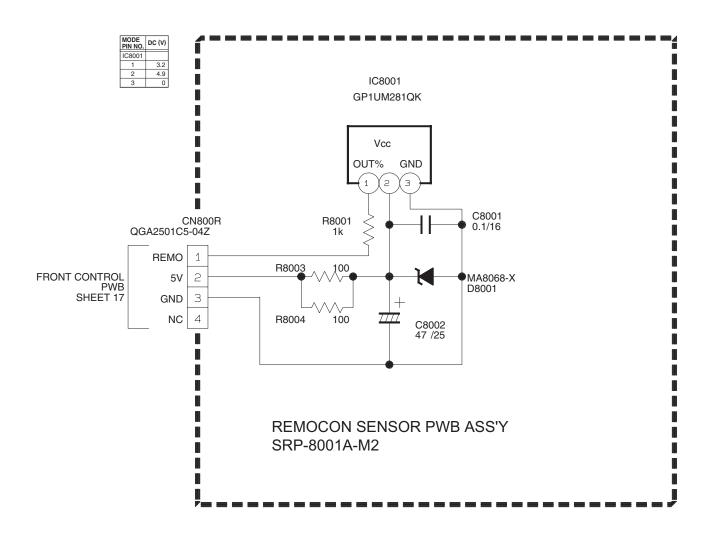




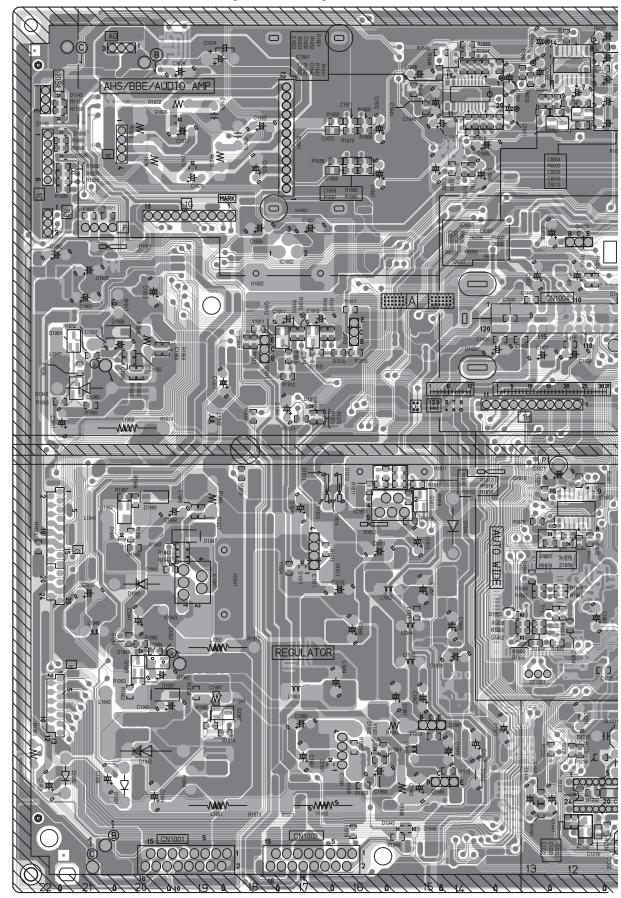






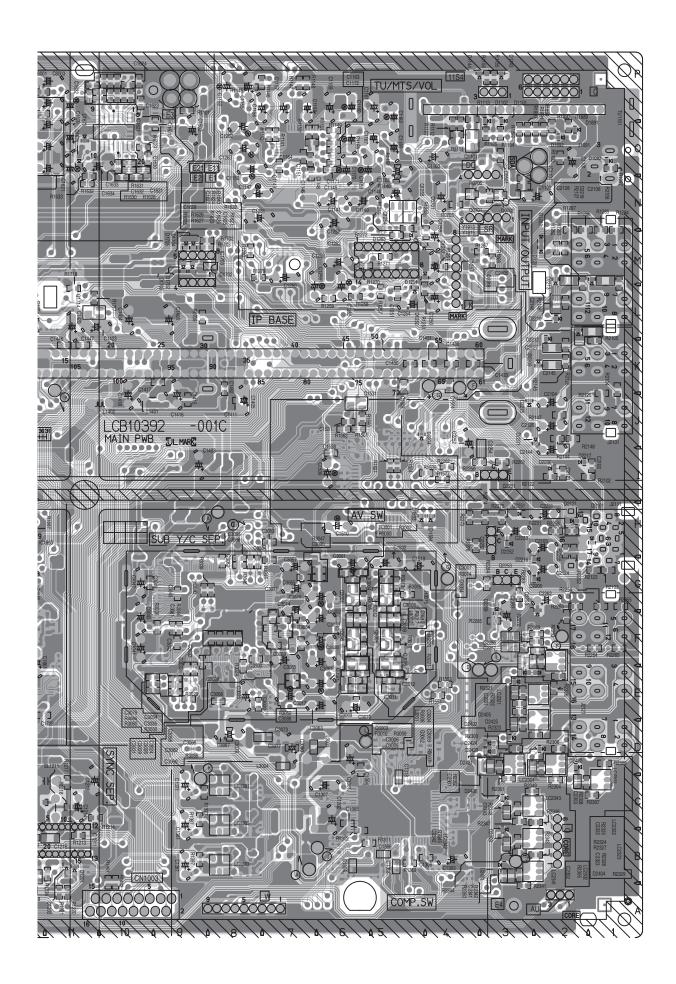


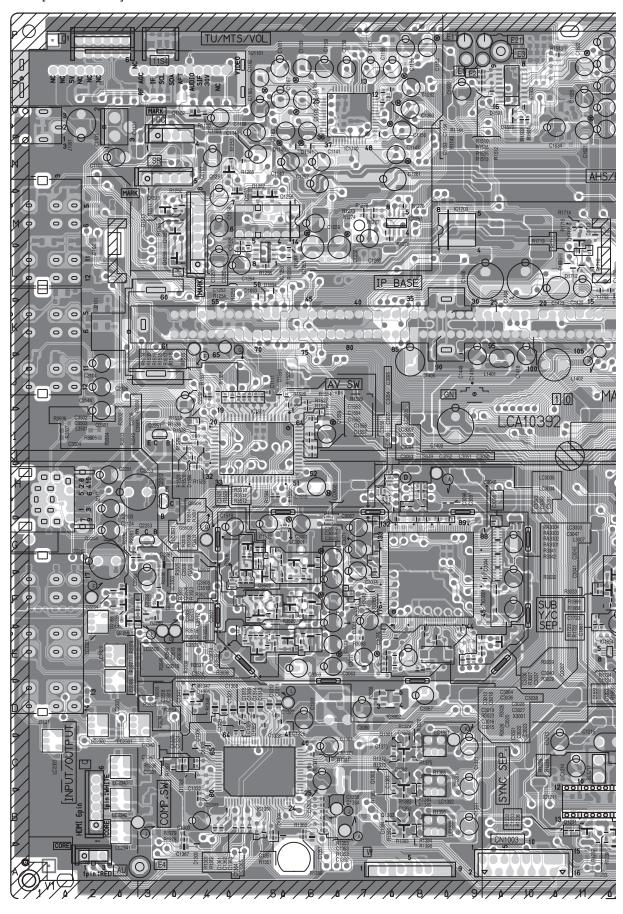
PATTERN DIAGRAMS MAIN PWB PATTERN [SOLDER SIDE]

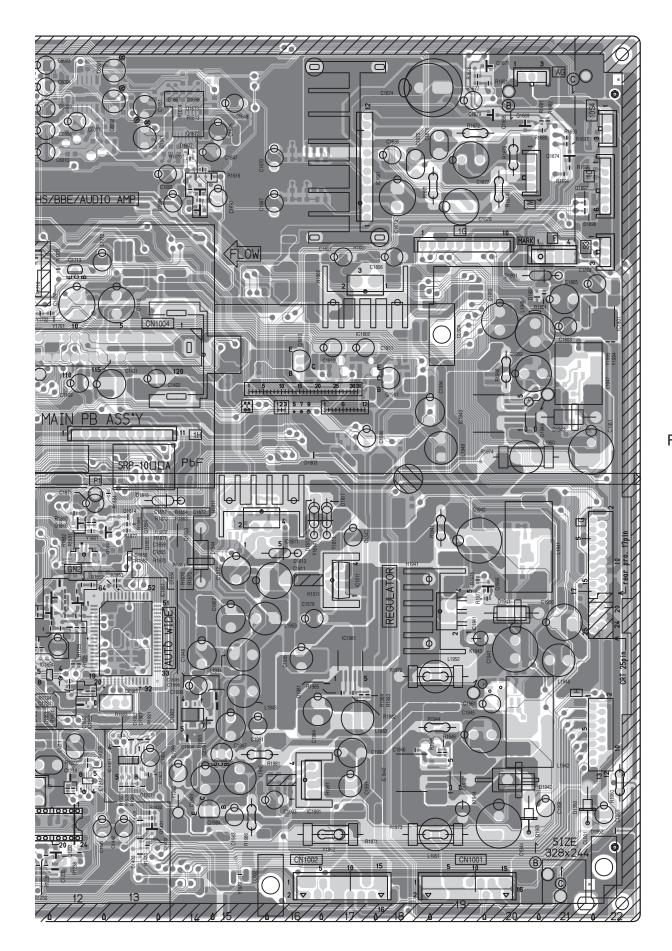




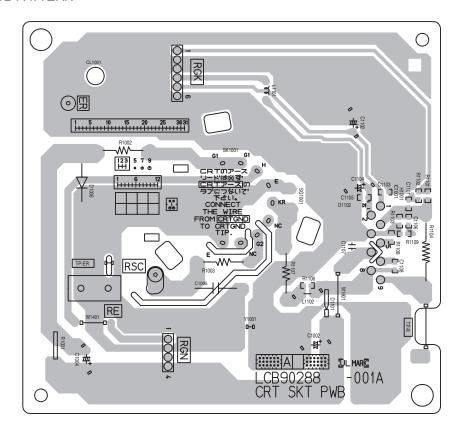
FRONT





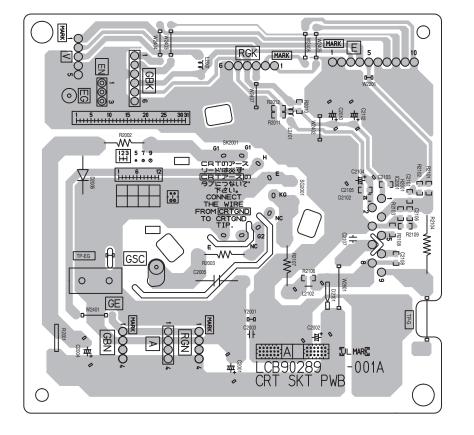




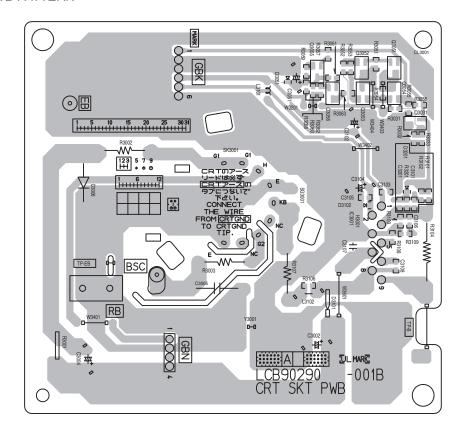




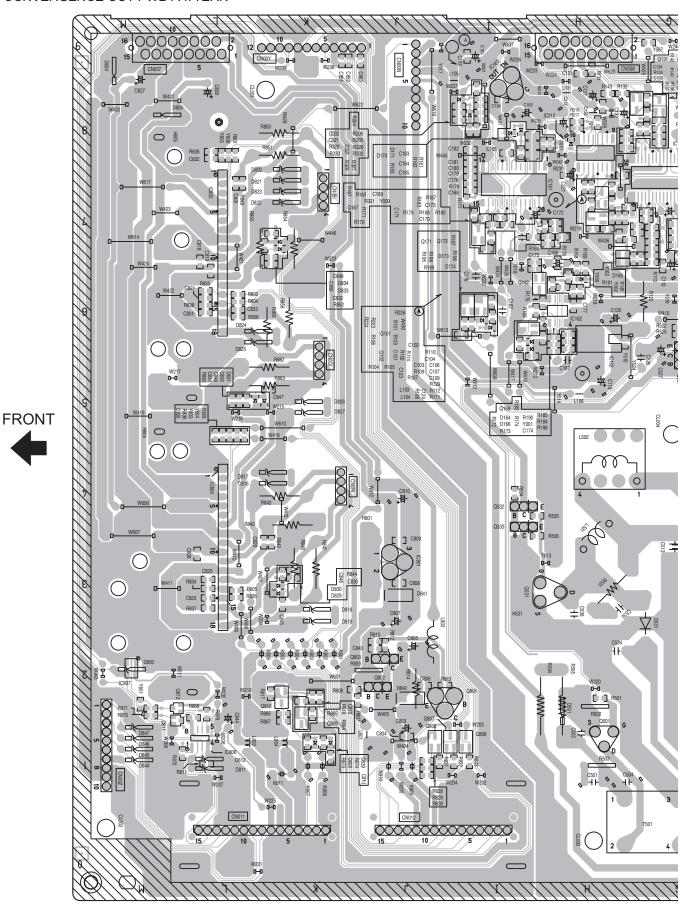
G CRT SOCKET PWB PATTERN

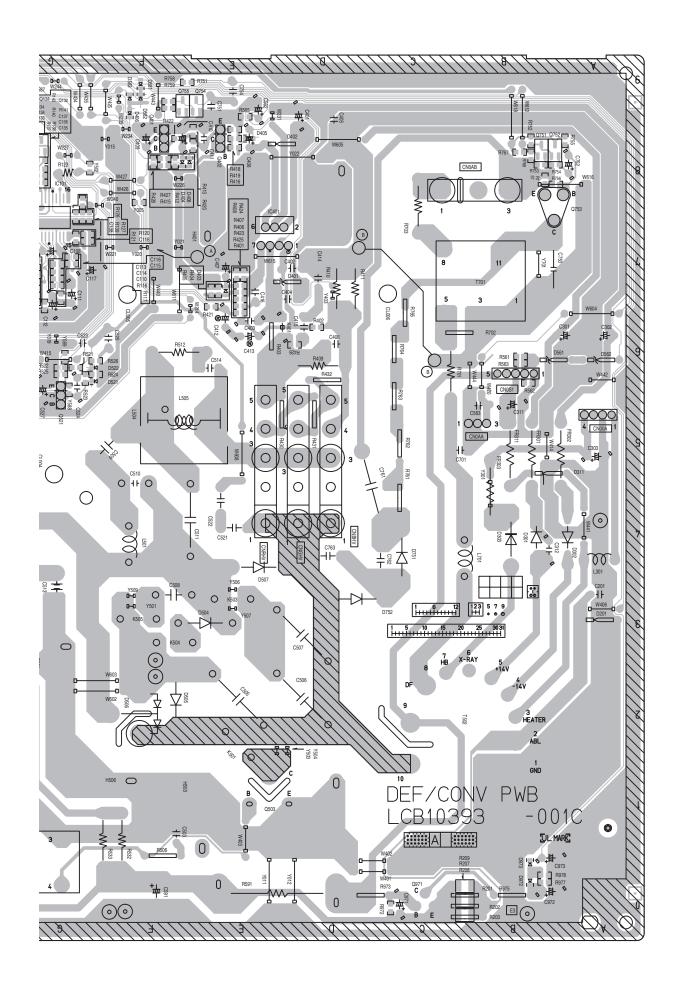


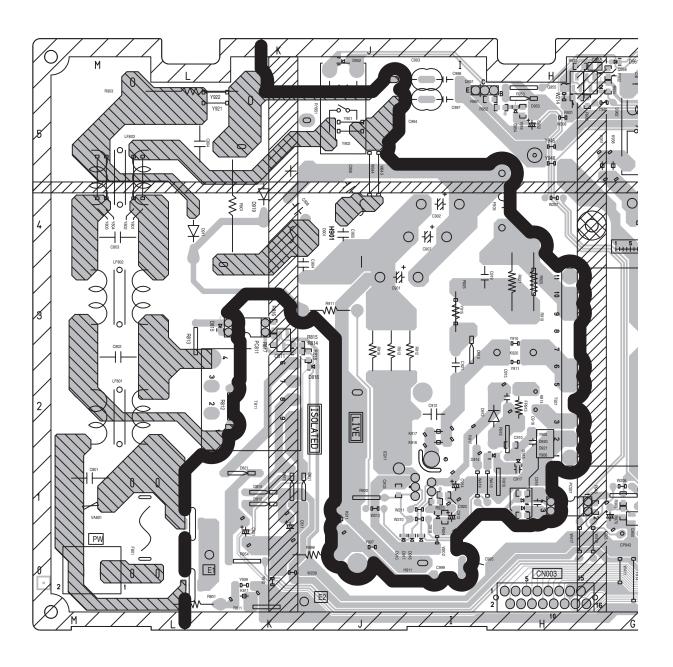


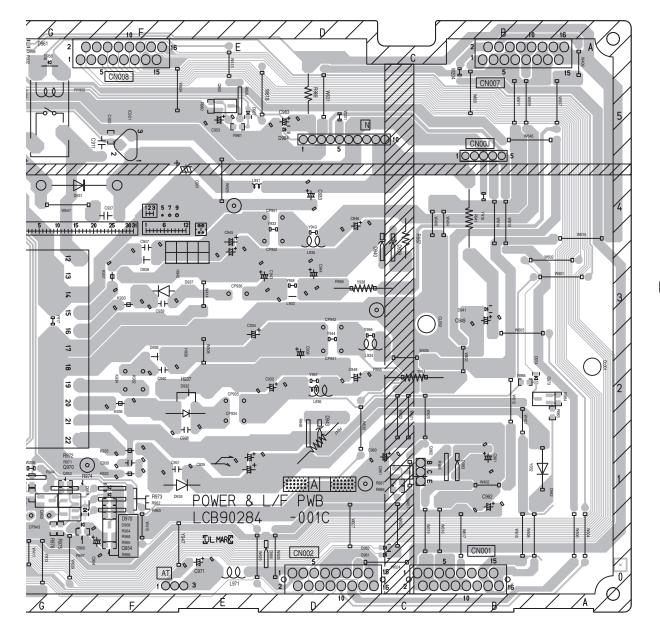






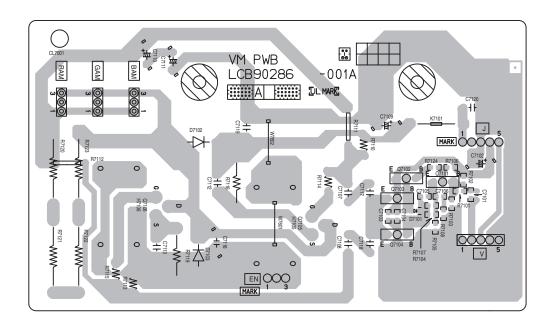




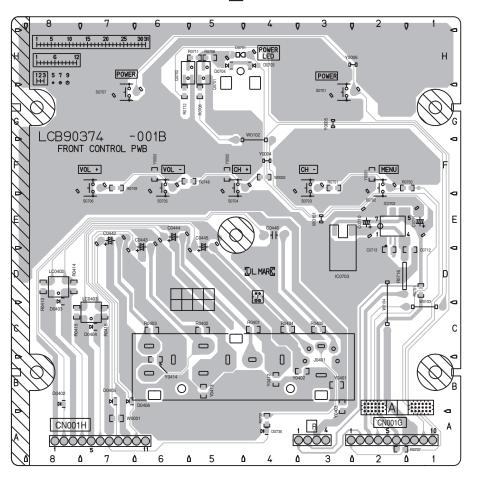






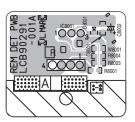






REMOCON SENSOR PWB PATTERN





CHANNEL CHART (US)

МО	DE	D.4.11D	CHAI	NNEL	TUNER	
TV	CATV	BAND	REAL DISP.		BAND	
	VL 02 03 VL 04 05 06		3 4 5	I		
		VH	1 1 1	8 9 0	П	
			A B	14 15	I	
		MID	C D E F G H	16 17 18 19 20 21		
	0		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	П
×			W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47		
		HYPER	W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70		

МО	DE	DAND	CHANNEL TUNE					
TV	CATV	BAND	REAL DISP.		BAND			
×		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+56 W+57 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV			
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I			
0	14							
TOTAL 180CH { VHF 124CH { UHF 56CH								
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.								

CHANNEL CHART (CA)

MODE		D.4.11D	CHAI	TUNER		
TV	CATV	BAND	REAL	REAL DISP.		
		VL	0 0 0	02 03 04 05 06		
		VH	0 0 1 1 1	7 8 9 0 1 2 3		
		MID	A B C D E F G H	14 15 16 17 18 19 20 21 22	п	
			J K L M N O	23 24 25 26 27 28		
			SUPER	P Q R S T U V W	29 30 31 32 33 34 35 36	
×	0	HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	Ш	
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV	

МО	DE		CHAI	NNEL	TUNER			
TV	CATV	BAND	REAL	BAND				
X		ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+55 W+56 W+57 W+58 W+55 W+56 W+57 W+60 W+61 W+62 W+63 W+64 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+78 W+79 W+80 W+71 W+72 W+73 W+74 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV			
			A-8 A-4	01 96	I			
		SUB MID	A-3 A-2 A-1	97 98 99	II			
0	14							
TOTAL 180CH								
NOTE: TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES. SPECIAL ADAPTERS MAY BE REQUIRED.								

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JVC CANADA INC.

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PARTS LIST

CAUTION

- The parts identified by the △ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

	RESISTORS	CAPACITORS			
CR	Carbon Resistor	C CAP.	Ceramic Capacitor		
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor		
PR	Plate Resistor	M CAP.	Mylar Capacitor		
VR	Variable Resistor	CH CAP.	Chip Capacitor		
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor		
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor		
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor		
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor		
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor		
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor		
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor		
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor		
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor		
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor		
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor		
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor		
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor		
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor		
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor		

	RESISTORS									
F	G	J	K	М	N	R	Н	Z	Р	
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%	

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G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)	
B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)	
VM P.W. BOARD ASS'Y (SRP-7201A-M2)	
REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)	
POWER P.W. BOARD ASS'Y (SRP-9001A-M2)	
FRONT CONTROL P.W. BOARD ASS'Y (SRP0L012A-M2)	
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DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2013A-M2)	
R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)	
G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)	
B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)	
VM P.W. BOARD ASS'Y (SRP-7201A-M2)	
REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)	
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FRONT CONTROL P.W. BOARD ASS'Y (SRP0L012A-M2)	
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USING P.W. BOARD & REMOTE CONTROL UNIT

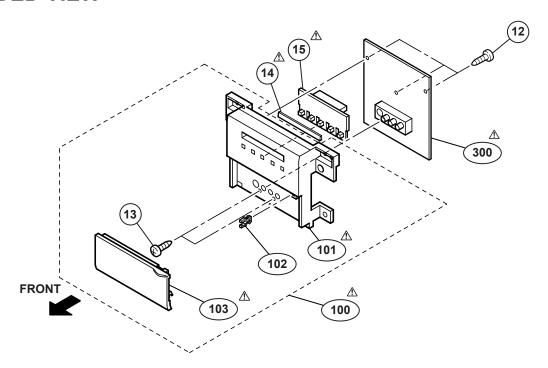
P.W.B ASS'Y	AV-48WP55/H	AV-56WP55/H	AV-65WP55/H
MAIN P.W.B	SRP-1012A-M2	SRP-1013A-M2	SRP-1014A-M2
DEF / CONVERGENCE OUT P.W.B	SRP-2012A-M2	←	SRP-2013A-M2
R CRT SOCKET P.W.B	SRP-3101A-M2	←	←
G CRT SOCKET P.W.B	SRP-3201A-M2	←	←
B CRT SOCKET P.W.B	SRP-3301A-M2	←	←
VM P.W.B	SRP-7201A-M2	←	←
REMOCON SENSOR P.W.B	SRP-8001A-M2	←	←
POWER P.W.B	SRP-9001A-M2	←	←
MI-COM & DIST MODULE P.W.B	SRP0D001A-M2	←	←
FRONT CONTROL P.W.B	SRP0L012A-M2	←	←
DIGITAL CONVERGENCE MODULE P.W.B	SRP0K012A-M2	SRP0K013A-M2	SRP0K014A-M2
DIGITAL INPUT MODULE P.W.B			SRP-7812A-M2
REMOTE CONTROL UNIT	RM-C1257G-1H	←	←

EXPLODED VIEW PARTS LIST

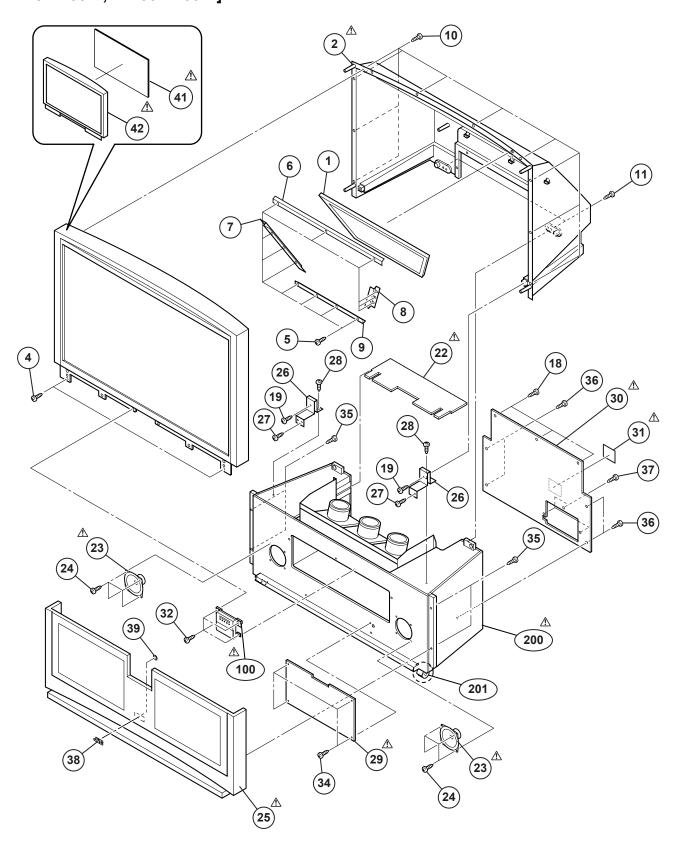
⚠	Ref.No.	Part No.	Part Name	Description	Local
	DY01 T502	QQD0107-001 QQH0179-001	DEF YOKE FB TRANSF	(x3)	
	1	LC32441-003A-A LC32173-002A-A	48V GLASS MIRROR 56V GLASS MIRROR		48WP55/H 56WP55/H
	1	LC32173-001A-A	65V GLASS MIRROR		65WP55/H
<u>^</u> <u>^</u> <u>^</u>	2 2 2 3	LC11247-001D-A LC11407-001D-A	BACK COVER BACK COVER		48WP55/H 56WP55/H
$\overline{\mathbb{A}}$	2	LC11508-001D-A	BACK COVER		65WP55/H
<u> </u>	3 4	LC21219-002A-A QYSBSAG4018M	BACK BOARD UP TAP SCREW	M4 x 18mm(x2)	65WP55/H 48WP55/H,56WP55/H
	4	QYSBSAG4018M QYSBSF4012Z	TAP SCREW TAP SCREW	M4 x 18mm(x4) 4mm x 12mm(x13)	65WP55/H
	5	LC21316-001A-A	MIRROR HOLDER TOP	411111 x 1211111(x13)	48WP55/H,56WP55/H
	6 7 7	LC21217-001A-A LC21311-001B-A	MIRROR HOLDER TOP MIRROR HOLDER LEFT		65WP55/H 48WP55/H,56WP55/H
	7	LC21218-001B-A	MIRROR HOLDER LEFT		65WP55/H
	8	LC21311-002B-A LC21218-002B-A	MIRROR HOLDER RIGHT MIRROR HOLDER RIGHT		48WP55/H,56WP55/H 65WP55/H
	8 8 9 9	LC21317-001B-A LC21217-002A-A	MIRROR HOLDER BOTTOM MIRROR HOLDER BOTTOM		48WP55/H,56WP55/H 65WP55/H
	10	QYSBSFG4016M	TAP SCREW TAP SCREW	4.0mm x 16mm(x10)	03771 33/11
	11 12	QYSBSAG4018M QYSBSF3012M	TAP SCREW TAP SCREW	M4 x 18mm(x2) 3.0mm x 12mm(x3)	
•	13	QYSBSF3012M	TAP SCREW LED LENS	3.0mm x 12mm(x2)	
<u>^</u>	14 15	LC31749-001A-A LC31751-001B-A	KNOB		
⚠	16 17	QQR0491-001 CM35757-055-A	FERRITE CORE STICK SHEET	GRAY (x2)	65WP55/H
	18	QYSBSFG4016M	TAP SCREW	4.0mm x 16mm(x3)	48WP55/H,56WP55/H
	18 19	QYSBSFG4016M QYSBSF4012Z	TAP SCREW TAP SCREW TAP SCREW	4.0mm x 16mm(x4) 4mm x 12mm(x2)	65WP55/H 56WP55/H
	19 20	QYSBSG4012Z QYSBSAG4018M	TAP SCREW TAP SCREW	M4 x 12mm(x2) M4 x 18mm(x2)	48WP55/H,65WP55/H 65WP55/H
$\stackrel{\wedge}{\nabla}$	21	LC32192-001A-A	CONNECTOR COVER	W4 X 10HHI(X2)	65WP55/H
\triangle	22 22	LC20981-003A-A LC21490-001A-A	SHADING BOARD SHADING BOARD		56WP55/H 48WP55/H,65WP55/H
\triangle	23 24	QAS0248-001 QYSBSA4012M	SPEAKER TAP SCREW	SP01/SP02(x2)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
\triangle	25 25	LC11251-001D-A	SPEAKER GRILL	M4 x 12mm(x8)	48WP55/H
\triangle	25 25	LC11406-002A-A LC32231-001E-A	SPEAKER GRILL SPEAKER GRILL		56WP55/H 65WP55/H
	26	LC31756-001A-A	BC FITTING	(x2) (x2)	48WP55/H,56WP55/H
	26 27	LC32193-001A-A QYSBSA4012M	BC FITTING TAP SCREW	M4´x 12mm(x2)	65WP55/H 48WP55/H,56WP55/H
	28 28	QYSPSPD4020Z QYSPSPD4020Z	SCREW SCREW	M4 x 20mm(x2) M4 x 20mm(x8)	48WP55/H,56WP55/H 65WP55/H
\triangle	29 29	GQ20011-001A-A	FRONT BOARD	x 25(x5)	48WP55/H
⚠	30	GQ20011-004A-A LC21491-001A-A	FRONT BOARD BACK BOARD		56WP55/H,65WP55/H 48WP55/H
<u>∧</u>	30 30	LC21276-002A-A LC21491-007A-A	BACK BOARD BACK BOARD		56WP55/H 65WP55/H
$\overline{\mathbb{A}}$	31	LC31139-001A-A	RATING LABEL	MA v 4Fmm/v4)	
	32 32	QYSDSA4015Z QYSDSA4015Z	TAP SCREW TAP SCREW	M4 x 15mm(x4) M4 x 15mm(x2)	48WP55/H,56WP55/H 65WP55/H
	33 34	QYSBSF4012Z QYSBSAG4018M	TAP SCREW TAP SCREW	4mm x 12mm(x2) M4 x 18mm(x4)	65WP55/H
	35	QYSBSFG4020M	TAP SCREW	M4 x 20mm(x4)	
	36 37	QYSBSAG4018M QYSBSFG4016M	TAP SCREW TAP SCREW	M4 x 18mm(x4) 4.0mm x 16mm(x4)	48WP55/H
	37 38	QYSBSFG4016M CM47752-A07-C	TAP SCREW BRAND MARK	4.0mm x 16mm(x3)	56WP55/H,65WP55/H
	39	QYNSS3000P	PUSH NUT	M3	CEMPEE'IL
\triangle	40 41	LC41574-001A 48SC-001A-M2	LABEL SCREEN ASSY	(x2) PROTECTOR / FRESNEL LENS / LENTICULAR LENS	
\triangle	41 41	56WP55SCSAM2 65WP55SCSAM2	SCREEN ASSY SCREEN ASSY	PROTECTOR / FRESNEL LENS / LENTICULAR LENS PROTECTOR / FRESNEL LENS / LENTICULAR LENS	56WP55/H
\triangle	42	LC11245-001F-A	FRONT PANEL		48WP55/H
$\stackrel{lack}{\mathbb{A}}$	42 42	LC11405-003B-A LC11507-001D-A	FRONT PANEL FRONT PANEL		56WP55/H 65WP55/H
	43 43	LC31735-001A-A LC31736-001A-A	LENZ D250 LENS D260	(x3) (x3)	48WP55/H 56WP55/H,65WP55/H
<u>^</u>	44	R-CRT575SAM2	R CRT 575SA	(10)	33771 30/11,00771 30/11
$\stackrel{igath}{\mathbb{A}}$	45 46	G-CRT575SAM2 B-CRT575SAM2	G CRT 575SA B CRT 575SA		
⚠	47 48	QAL0477-001 LC21488-002A-A	PC MAGNET UNIT BKT RIGHT	(x3)	
\triangle	49	LC21488-001A-A	UNIT BKT LEFT		
$\stackrel{ar{\Lambda}}{\mathbb{A}}$	50 51	QAE0007-001 QAE0008-001	DIVIDER FOCUS PACK		
_	52 53	QYSBSGG3008Z CM22765-001-A	TAP SCREW COOLANT PAN	3mm x 8mm	
	54	QYSBSG4012Z	TAP SCREW	M4 x 12mm(x2)	48WP55/H,56WP55/H
⚠	54 55	QYSBSF4012Z LC11789-001B-A	TAP SCREW CHASSIS BASE	4mm x 12mm(x2)	65WP55/H
<u>∧</u>	56 56	LC11791-003A-A LC11791-001A-A	AV BOARD AV BOARD		48WP55/H 56WP55/H,65WP55/H
213	56 57	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x4)	56WP55/H

⚠	Ref.No.	Part No.	Part Name	Description	Local
<u>^</u>	57 58 59 60 61	QYSBSF3012Z CM32201-00A-H QMPD200-200-JC LC20106-001D-A GQ30034-001B-A	TAP SCREW ASSY SCREW POWER CORD(US/CA) POWER CORD CLAMP WARNING LABEL	3.0mm x 12mm(x4) 2m BLACK	48WP55/H,65WP55/H 65WP55/H
<u>^</u> <u>^</u> <u>^</u>	100 101 102 103	LC31883-008A-A LC11246-008A-A PU60109 LC31829-003A-A	CONTROL ASSY CONTROL BASE CATCHER DOOR	Inc.No.101-103	48WP55/H,56WP55/H
<u>^</u> <u>^</u> <u>^</u>	200 200 200 201	GQ10079-001A-A GQ10080-001A-A GQ10081-001A-A CM36396-00B-A	BODY BODY BODY CASTER	Inc.No.201 Inc.No.201 (x4)	48WP55/H 56WP55/H 65WP55/H
	300 301 301 302 303 303 304 304 304 305 306 307 308 309 310 311	SRP0L012A-M2 SRP-1012A-M2 SRP-1013A-M2 SRP-1014A-M2 SRP-9001A-M2 SRP-2012A-M2 SRP-2013A-M2 SRP0K012A-M2 SRP0K013A-M2 SRP0K014A-M2 SRP0B001A-M2 SRP-8001A-M2 SRP-8001A-M2 SRP-3101A-M2 SRP-3201A-M2 SRP-3201A-M2 SRP-3301A-M2 SRP-7201A-M2	FRONT CONTROL PWB MAIN PWB MAIN PWB MAIN PWB POWER PWB DEF / CONVERGENCE OUT PWB DIGITAL CONVERGENCE MODULE PW DIGITAL CONVERGENCE MODULE PW DIGITAL CONVERGENCE MODULE PW MI-COM & DIST MODULE PWB REMOCON SENSOR PWB DIGITAL INPUT MODULE PWB R CRT SOCKET PWB G CRT SOCKET PWB UM PWB	VB	48WP55/H 56WP55/H 65WP55/H 48WP55/H,56WP55/H 65WP55/H 56WP55/H 65WP55/H

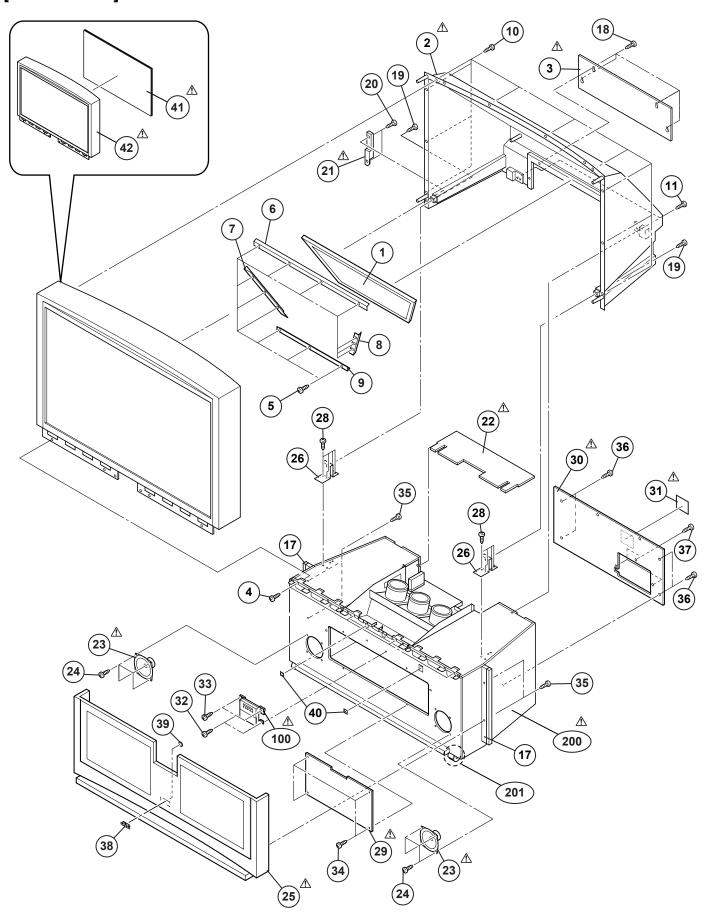
EXPLODED VIEW

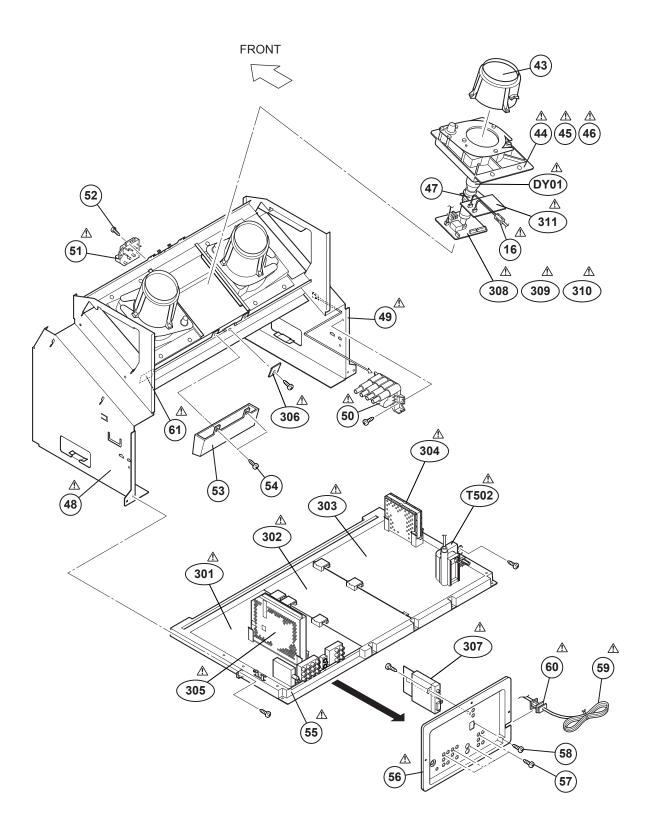


[AV-48WP55/H, AV-56WP55/H]



[AV-65WP55/H]





PRINTED WIRING BOARD PARTS LIST [AV-48WP55/H]

MAIN P	.W. BOARD AS	SS'Y (SRP-1012A-M2)		⚠Ref No.	Part No.	Part Name	Description Loca
Ref No.	Part No.	Part Name	Description Local	D1596	MA8100/M/-X	Z DIODE	
104404	1.700EOD	10		D1667	MA111-X	SI DIODE	
IC1101 IC1140	L7805CP CXA2205Q-X	IC IC		D1668 D1669	MA111-X MA111-X	SI DIODE SI DIODE	
IC1211	TA1318N	ic		D1702	MA111-X	SI DIODE	
IC1212	SN74AHC2G08T-X	IC		D1703	MA111-X	SI DIODE	
IC1301	AN15852A	iC		D1704	MA8100/M/-X	Z DIODE	
IC1501 IC1502	CXA2069Q M62320FP-X	IC		D1705	MA8100/M/-X	Z DIODE	
IC1502	PQ033RD01SZ	IC IC		D1712 D1802	MA111-X MA111-X	SI DIODE SI DIODE	
IC1661	AN5277	IC		D1895	MA8082/M/-X	Z DIODE	
IC1703	AT24C128-48WP55	IČ	(SERVICE)	D1896	MA8082/M/-X	Z DIODE	
IC1802 IC1941	BA033T PQ1CG21H2FZ	IC IC		D1897 D1898	MA8051/M/-X MA8051/M/-X	Z DIODE Z DIODE	
IC1942	SI-8050JD-W	IC IC		D1090 D1947	EC31QS04-X	SB DIODE	
IC1943	PQ1CY1032Z-W	IC IC IC		D1948	EC31QS04-X	SB DIODE	
IC1981	PQ070XZ01Z-X	IC		D1949	EC31QS04-X	SB DIODE	
IC1991 IC1993	PQ12RD11 MM1565AF-X	IC IC		D1962 D1964	MA3030/H/-X MA111-X	Z DIODE SI DIODE	
IC3001	MN82832	ič		D1965	MA111-X	SI DIODE	
IC3002	R1170H331B-X	IC		D1967	PTZ6.8B-X	Z DIODE	
Q0701	2SK2090-X	MOS FET		D1968 D1969	PTZ3.9B-X PTZ11B-X	Z DIODE Z DIODE	
Q0701 Q0702	2SK2090-X 2SK2090-X	MOS FET		D1969 D1981	MA111-X	SI DIODE	
Q1101	2SA1530A/QR/-X	TRANSISTOR		D1991	MA111-X	SI DIODE	
Q1102	2SC3928A/QR/-X	TRANSISTOR		D1993	MA111-X	SI DIODE	
Q1232 Q1252	2SA1530A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D2101 D2121	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1253	2SC3928A/QR/-X	TRANSISTOR		D2201	MA8100/M/-X	Z DIODE	
Q1254	2SA1530A/QR/-X	TRANSISTOR		D2204	MA8100/M/-X	Z DIODE	
Q1255	2SC3928A/QR/-X 2SC3837K/NP/-X	TRANSISTOR		D2205	MA8100/M/-X	Z DIODE	
Q1301 Q1302	2SC3837K/NP/-X 2SC3837K/NP/-X	TRANSISTOR TRANSISTOR		D2206 D2209	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1303	2SC3837K/NP/-X	TRANSISTOR		D2210	MA8100/M/-X	Z DIODE	
Q1401	2SC3928A/QR/-X	TRANSISTOR		D2212	MA8100/M/-X	Z DIODE	
Q1511 Q1531	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2213	MA8100/M/-X	Z DIODE Z DIODE	
Q1668	UN2213-X	DIGI TRANSISTOR		D2215 D2216	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1669	2SC3928A/QR/-X	TRANSISTOR		D2217	MA8100/M/-X	Z DIODE	
Q1671 Q1672	UN2213-X	DIGI TRANSISTOR TRANSISTOR		D2218	MA8100/M/-X	Z DIODE	
Q1672 Q1673	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR		D2219 D2402	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1674	2SC3928A/QR/-X	TRANSISTOR		D2404	MA8100/M/-X	Z DIODE	
Q1712	2SA1530A/QR/-X	TRANSISTOR		D2421	MA8100/M/-X	Z DIODE	
Q1713 Q1714	2SC2785/JH/-T 2SA1530A/QR/-X	SI TRANSISTOR TRANSISTOR		D2422	MA8100/M/-X	Z DIODE	
Q1961	2SC3928A/QR/-X	TRANSISTOR		C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q1962	2SC3928A/QR/-X	TRANSISTOR		C1102	QETN1CM-107Z	E CAPACITOR	100uF 16V M
Q1964 Q1965	2SC3928A/QR/-X UN2213-X	TRANSISTOR DIGI TRANSISTOR		C1103 C1111	QETN1HM-106Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	10uF 50V M 0.1uF 16V Z
Q1966	UN2213-X UN2213-X	DIGI TRANSISTOR		C1111	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q1967	UN2213-X	DIGI TRANSISTOR		C1141	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q1981	2SC4682-T	TRANSISTOR TRANSISTOR		C1144	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q1984 Q3001	2SC4682-T 2SC3928A/QR/-X	TRANSISTOR		C1145 C1146	NCB31HK-223X NCB31HK-472X	C CAPACITOR C CAPACITOR	0.022uF 50V K 4700pF 50V K
Q3002	2SC3928A/QR/-X	TRANSISTOR		C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3003	2SA1530A/QR/-X	TRANSISTOR		C1148	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3004 Q3005	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1149 C1150	NCB31HK-472X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	4700pF 50V K 4.7uF 50V M
Q3006	2SA1530A/QR/-X	TRANSISTOR		C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3007	2SA1530A/QR/-X	TRANSISTOR		C1152	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3501 Q3502	2SA1530A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1153	NCB31HK-562X	C CAPACITOR	5600pF 50V K
Q3502 Q3505	2SA1530A/QR/-X	TRANSISTOR		C1154 C1155	NCB31HK-123X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.012uF 50V K 1uF 50V M
Q3506	2SC3928A/QR/-X	TRANSISTOR		C1156	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q3509	2SA1530A/QR/-X	TRANSISTOR		C1157	QETN1HM-106Z	E CAPACITOR	10uF 50V M
Q3510	2SC3928A/QR/-X	TRANSISTOR		C1158 C1159	QETN1HM-475Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 100uF 16V M
D1093	MA8082/M/-X	Z DIODE		C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1140	MA8100/M/-X	Z DIODE		C1161	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
D1141	MA8100/M/-X	Z DIODE		C1162	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1145 D1146	MA8082/M/-X MA8082/M/-X	Z DIODE Z DIODE		C1163 C1164	NCB31HK-272X NCB31HK-473X	C CAPACITOR C CAPACITOR	2700pF 50V K 0.047uF 50V K
D1251	MA8100/M/-X	Z DIODE		C1165	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
D1252	MA8100/M/-X	Z DIODE		C1166	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1253	MA111-X	SI DIODE		C1167	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D1301 D1302	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE		C1168 C1169	QETN1HM-105Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	1uF 50V M 4.7uF 50V M
D1302	MA8100/M/-X	Z DIODE		C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1306	MA8100/M/-X	Z DIODE		C1171	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D1401	MA111-X	SI DIODE		C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D1402 D1403	UDZS5.1B-X MA111-X	Z DIODE SI DIODE		C1213 C1214	QETN1CM-107Z QETN1HM-225Z	E CAPACITOR E CAPACITOR	100uF 16V M 2.2uF 50V M
D1513	MA111-X	SI DIODE		C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J

CLIEB MORTICZ-4TSM C CAPACITOR	⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
CLEAP CLEA								1000uF 25V M
C1950 C195	C1219		C CAPACITOR	4.7uF 16V Z	C1679	QETN1HM-475Z		
CLESS GERNIHM-1002 E CAPACITOR 1.6 90 M CLESS GERNIHM-1002 E CAPACITOR 47.6 25 M GERNIHM-1002 E CAPACITOR			C CAPACITOR	18pF 50V J			E CAPACITOR E CAPACITOR	4.7uF 50V M
C1029 GETH GA-1072 E CAPACITOR 900-F89'M C1712 OETH AND 2277 E CAPACITOR 220-F89'M C1702 OETH AND 2277 E CAPACITOR 470-F89'M C1702 OETH AND 2277 E CAPACITOR 470-F89'M C1026 NC8310K-108K CAPACITOR 0.111-F89'K C184 C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-103K-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 C1	C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1500 GETNING-HOUZE CAPACITOR OLD FISYM C1600 GETNING-HOZE CAPACITOR AFE-589 M OLD FISYM GETNING-HOZE CAPA	C1301 C1302				C1702 C1712			1uF 16V K 220uF 10V M
C1030 MCBRICK-108X C.CARACTOR D. I.F. 99 K C144 CERTIVIVA-1772 E.CARACTOR J. 104 29 K C1030 CERTIVICAL 1002 C.CARACTOR D. I.F. 99 K C144 CERTIVIVA-1772 E.CARACTOR J. 104 29 K C1030 MCBRINK-103X C.CARACTOR D. 014 E39 K C144 CERTIVIVA-1772 C.CARACTOR J. 104 29 K C145 C.CARACTOR J. 104 C.CA	C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1989 NCBSIGN-198X CAPACTOR 0.1 199 K C1942 OETNICH-198Z CAPACTOR 0.0 199 K C1949 OETNICH-198Z CAPACTOR 0.0 199	C1304 C1305		C CAPACITOR C CAPACITOR					
C1898 NC89114-103X	C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1391 NG891H4-103X	C1307 C1308	QETN1CM-106Z NCB31HK-103X		10uF 16V M 0.01uF 50V K		NCB31EK-104X OFTN1VM-4777	C CAPACITOR F CAPACITOR	0.1uF 25V K 470uF 35V M
C1313 NGESTICK-1985 C-CAPACITOR	C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1322 N.C32116-1035 C.C4PACTOR								
C1329 NCB3184-103X C CAPACITOR	C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K			E CAPACITOR	
C1329 MCG21CX-195X C CAPACITOR 10-16-16-X C C1951 GEDWAM-477. E CAPACITOR 2100-17-10-X C C1325 MCG21CX-195X C CAPACITOR 100-16-X C C1952 MCG21CX-195X C CAPACITOR 100-16-X C C1952 MCG21SH-101X C C195	C1323		C CAPACITOR	0.01uF 50V K	C1950	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1329 MDC31H-101X C CAPACITOR 100F 50V J C 1685 MESSIK-103X C CAPACITOR 102V M C 1685 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1685 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1685 MESSIK-103X C CAPACITOR 0 UP	C1324			1uF 16V K			E CAPACITOR	
C1329 NDC31H-101X C CAPACITOR 10pf-80V J C1956 NCB31EK-104X C CAPACITOR 0.1 br 50V K 1 c1950 NC C1331 NCB21CK-105X C CAPACITOR 0.1 br 16V K C 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1965 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 OETNIJAH-1032 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965	C1326	NDC31HJ-101X	C CAPACITOR C CAPACITOR	100pF 50V J	C1953	QEZ0250-126 QETN0JM-228Z	E CAPACITOR E CAPACITOR	2200uF 6.3V M
C1393 NG281HH-103X C CAPACITOR 0.016-50 W C C1891 DETNICK-1072 E CAPACITOR 10.06-19 W M C1392 NG281HH-103X C CAPACITOR 0.016-50 W C C1892 NG281HH-103X C CAPACITOR 0.016-50 W C C1892 NG281HH-103X C CAPACITOR 0.016-50 W C C1894 NG281HH-103X C CAPACITOR 0.016-50 W C C1895 NG281HH-103X C CAPACITOR 0.016-50 W C C1894 NG281HH-103X C C	C1327							0.1uF 25V K
C1332 NCB31H-103X C CAPACITOR	C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1394 NCB31H4-103X C CAPACITOR 1U-16V K C1991 QETMEM-107Z E CAPACITOR 100-16V M C1344 NCB31H5-103X C CAPACITOR 1U-16V K C1992 QETMICM-17Z E CAPACITOR 100-16V M C1344 NCB31H5-103X C CAPACITOR 100-16V M C1995 NCB 11CK-225X C CAPACITOR 2.2 L16V K C1995 NCB11CK-225X C CAPACITOR 3.0 L16	C1331 C1332							
C1391 M.CB31H4-193X C CAPACITOR 0.01LE 50V K C1995 N.CB11CK-225X C CAPACITOR 2.2LE 16V K C1395 N.CB31H4-193X C CAPACITOR 0.01LE 50V K C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2016 N.CB31H4-103X C	C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C1391 M.CB31H4-193X C CAPACITOR 0.01LE 50V K C1995 N.CB11CK-225X C CAPACITOR 2.2LE 16V K C1395 N.CB31H4-193X C CAPACITOR 0.01LE 50V K C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2016 N.CB31H4-103X C	C1341 C1342							
C1393 NCB31HK-103X C CAPACITOR 0.01u-50V K C2103 QETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-122X C CAPACITOR 10u-50V M C2105 NCB11K-122X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-102X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 2.2u-16V K C1371 QETN1M-106Z E CAPACITOR 3.u-16V K C13	C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1393 NCB31HK-103X C CAPACITOR 0.01u-50V K C2103 QETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-122X C CAPACITOR 10u-50V M C2105 NCB11K-122X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-102X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 2.2u-16V K C1371 QETN1M-106Z E CAPACITOR 3.u-16V K C13	C1351 C1352		C CAPACITOR C CAPACITOR				C CAPACITOR C CAPACITOR	
C1395 NCB31HK-103X C CAPACITOR 0.01L 50V K C2105 NCB11CK-225X C CAPACITOR 2.2LF 16V K C1392 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 1.0LF 50V K C2124 NCB31HK-103X C CAPACITOR 1.0LF 50V M C2125 NCB31HK-103X C CAPACITOR 1.0LF 50V M C2125 NCB31HK-103X C CAPACITOR 1.0LF 50V M NCB31HK-103X C CAPACITOR 3.0LF 16V M C2125 NCB31HK-103X C CAPACITOR 3.0LF 16V M NCB31HK-103X NCB31HK-103X C CAPACITOR 3.0LF 16V M NCB31HK-103X NCB31	C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1392 NCB31HK-103X C CAPACITOR 0.01uF 50V K C2124 NCB31HK-103X C CAPACITOR 1.0uF 50V M C2124 QETN1HM-106Z E CAPACITOR 1.0uF 50V M C1364 NCB31HK-103X C CAPACITOR 0.01uF 50V K C212* QETN1HM-106Z E CAPACITOR 1.0uF 50V M C212* QETN1HM-106Z E CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 2.2uF 16V K C214* NCB11CK-22X C CAPACITOR 3.3uF 16V M C212* NCB21CK-105X C CAPACITOR 3.3uF 16V M C212* NCB21CK-105X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X NCB21CK-105X C CAPACITOR 1.1uF 16V K NCB11CK-105X NCB	C1355		C CAPACITOR C CAPACITOR				C CAPACITOR	
C1393 NCB31HK-103X C CAPACITOR	C1361		C CAPACITOR				C CAPACITOR	
C1395 (C1371) CAPACITOR 2.22F 16V K C2127 NCBHICK-225X C CAPACITOR 2.22F 16V K C1372 NCBHICK-25X C CAPACITOR 2.22F 16V K C1372 NCBHICK-26X C CAPACITOR 3.32F 16V M C2128 NCBHICK-25X C CAPACITOR 10LF 50V M C1381 CAPACITOR 10LF 50V M C2144 NCBHICK-25X C CAPACITOR 10LF 50V M C1381 CAPACITOR 2.22F 16V K C1381 CAPACITOR 10LF 50V M C2145 NCBHICK-25X C CAPACITOR 2.22F 16V K C1382 NCBHICK-10AX C CAPACITOR 0.1LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 50V M C2145 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1382 NCBHICK-10AX C CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 3.3LF 16V M C2146 CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 3.3LF 16V M C2146 CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 150LF 16V K	C1363	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1371 QETNICM-3382 E CAPACITOR 33U-16V M C2128 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1341 QETNICM-3362 E CAPACITOR 33U-16V M C2145 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1381 QETNICM-3362 E CAPACITOR 33U-16V M C2145 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1381 QETNICM-3362 E CAPACITOR 33U-16V M C2146 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1391 QETNICM-3362 E CAPACITOR 33U-16V M C2020 NCB2ICK-105X C CAPACITOR 1.2LF16V K C1391 QETNICM-3362 E CAPACITOR 33U-16V M C2020 NCB2ICK-105X C CAPACITOR 1LF16V K C1392 NCB2ICK-105X C CAPACITOR 1LF16V K C1393 QETNIAM-1052 E CAPACITOR 1000U-10V M C2222 NCB2ICK-105X C CAPACITOR 1LF16V K C1403 QETNIAM-1052 E CAPACITOR 1000U-10V M C2222 NCB2ICK-105X C CAPACITOR 1LF16V K C1404 QETNIAM-1052 E CAPACITOR 1000U-10V M C2022 NCB2ICK-105X C CAPACITOR 1LF16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3001 QENCIAM-3052 BP E CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-105X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-105X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-15X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 10U-16V K C3004 NCB3ILK-15X C CAPACITOR 15U-16V K C3004	C1364 C1365		C CAPACITOR	0.01uF 50V K				10uF 50V M 2 2uF 16V K
C1381 GETM1CM-3362 E CAPACITOR 33UF 16V M C2145 NCB11CK-225X C CAPACITOR 2.2DF 16V K C1391 GETM1CM-3362 E CAPACITOR 33UF 16V M C2302 NCB21CK-105X C CAPACITOR 1UF 16V K C1391 GETM1CM-3362 E CAPACITOR 33UF 16V M C2302 NCB21CK-105X C CAPACITOR 1UF 16V K C1392 NCB21CK-105X C CAPACITOR 1UF 16V K C1403 GETM1AM-108Z E CAPACITOR 100UF 10V M C2322 NCB21CK-105X C CAPACITOR 1UF 16V K C1403 GETM1AM-108Z E CAPACITOR 100UF 10V M C2322 NCB21CK-105X C CAPACITOR 1UF 16V K C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3001 GENC1AM-336Z BF E CAPACITOR 1UF 16V K C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3001 GENC1AM-336Z BF E CAPACITOR 33UF 10V M C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3002 NCS1HU-15TX C CAPACITOR 150P 56V J C1409 GETM1AM-108Z E CAPACITOR 10UF 50V M C3003 NDC31HU-15TX C CAPACITOR 150P 56V J C1410 GETM1AM-108Z C CAPACITOR 10UF 50V M C3003 NDC31HU-15TX C CAPACITOR 150P 56V J C1411 NCB31CK-104X C CAPACITOR 0.1UF 16V K C3004 NCS1HU-15TX C CAPACITOR 15P 56V J C1411 NCB31CK-104X C CAPACITOR 0.1UF 16V K C3004 NCS1HU-15TX C CAPACITOR 0.1UF 16V Z C1415 NCB31K-103X C CAPACITOR 0.1UF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1UF 16V Z C1415 NCB31K-103X C CAPACITOR 0.1UF 50V K C3005 NCF11CZ-476X C CAPACITOR 0.1UF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCF11CZ-104X C CAPACITOR 0.1UF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-343X C CAPACITOR 0.33UF 10V K C1416 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-34X C CAPACITOR 0.33UF 10V K C1417 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-151X C CAPACITOR 150P 56V J C1417 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3	C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
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C1992 NGB31CK-104X C CAPACITOR 0.1 uF 16V K C2030 NCB21CK-105X C CAPACITOR 1 uF 16V K C1403 GETN14M-108Z E CAPACITOR 1000uF 10V M C2323 NCB21CK-105X C CAPACITOR 1 uF 16V K C1404 GETN14M-108Z E CAPACITOR 1000uF 10V M C3023 NCB21CK-105X C CAPACITOR 1 uF 16V K C1405 GETN14M-108Z E CAPACITOR 1000uF 10V M C3001 QETC14M-336Z BP E CAPACITOR 3 uF 16V K C1405 GETN14M-108Z E CAPACITOR 1000uF 10V M C3002 NDC31H-151X C CAPACITOR 150pF 50V J C1409 GETN14M-108Z E CAPACITOR 1000uF 10V M C3002 NDC31H-151X C CAPACITOR 150pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1 uF 16V K C3004 NDC31H-151X C CAPACITOR 150pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1 uF 16V K C3004 NDC31H-151X C CAPACITOR 15pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1 uF 16V K C3005 NCF11CZ-475X C CAPACITOR 15pF 50V J C1412 GETN01M-228Z E CAPACITOR 0.1 uF 16V K C3005 NCF11CZ-475X C CAPACITOR 4.7 uF 16V Z C1412 GETN01M-228Z E CAPACITOR 200 uF 63.V M C3006 NCF31CZ-104X C CAPACITOR 0.3 uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.0 uF 16V K C3007 NCB31HK-103X C CAPACITOR 0.3 uF 10V K C1416 GETN1EM-167Z E CAPACITOR 4.7 uF 26V M C3008 NDC31H-151X C CAPACITOR 0.3 uF 10V K C1416 GETN1EM-167Z E CAPACITOR 4.7 uF 26V M C3008 NDC31H-151X C CAPACITOR 15pF 50V J C1417 GETN14M-167Z E CAPACITOR 4.7 uF 26V M C3009 NDC31H-151X C CAPACITOR 15pF 50V J C1418 GETN14M-167Z E CAPACITOR 4.7 uF 26V M C3010 NDC31H-151X C CAPACITOR 15pF 50V J C1418 GETN14M-167Z E CAPACITOR 4.7 uF 26V M C3011 NDC31HL-150X C CAPACITOR 15pF 50V J C1421 GETN14M-167Z E CAPACITOR 4.7 uF 26V M C3011 NDC31HL-150X C CAPACITOR 15pF 50V J C1421 GETN14M-167Z E CAPACITOR 4.7 uF 26V M C3011 NDC31HL-150X C CAPACITOR 0.1 uF 16V Z C1421 GETN14M-167Z E CAPACITOR 0.0 uF 16V Z C3014 NDC31C-104X C CAPACITOR 0.1 uF 16V Z C1421 GETN14M-167Z E CAPACITOR 0.0 uF 16V Z C3014 NDC31C-104X C CAPACITOR 0.1 uF 16V Z C1421 GETN14M-167Z E CAPACITOR 0.0 uF 16V Z C3014 NDC31C-104X C CAPACITOR 0.1 uF 16V Z C1501 NDC31C-	C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1403 QETN1AM-108Z E CAPACITOR 1000uF 10V M C2323 NCB21CK-105X C CAPACITOR 1UF 16V K C1405 QETN1AM-108Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-366Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-366Z BC PE CAPACITOR 150pF 50V J C1406 QETN1AM-108Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-336Z BP E CAPACITOR 33uF 10V M C1406 QETN14M-108Z E CAPACITOR 100uF 10V M C3002 NCB31HJ-151X C CAPACITOR 150pF 50V J C1409 QETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31HJ-150X C CAPACITOR 150pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 150pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 10V K C1416 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 10V K C1416 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 150pF 50V J C1412 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 150pF 50V J C1412 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NDC31HJ-150X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QENC1CM-108Z BP E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QENC1CM-108Z BP E CAPACITOR 0.1uF 16V X C3014 QETN1CM-07	C1391 C1392				C2303			
C1405 GETN14M-108Z E CAPACITOR 1000uF 10V M C3001 GENC1AM-336Z BP E CAPACITOR 33uF 10V M C1406 GETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 150pF 50V J C1409 GETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31HJ-151X C CAPACITOR 15pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 4.7uF 16V Z C1412 GETN01M-228Z E CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 4.7uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 16V Z C1416 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 16V X C1416 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HL-121X C CAPACITOR 150pF 50V J C1418 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HL-150X C CAPACITOR 150pF 50V J C1421 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HL-150X C CAPACITOR 150pF 50V J C1421 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1550 NCB31HK-103X C CAPACITOR 0.1uF 16V X C3018 NCF31CZ-	C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1409 QETNIHM-106Z E CAPACITOR 10uF 50V M C3003 NDC31HJ-121X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.33uF 10V K C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NCF11CZ-475X C CAPACITOR 150pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1423 QETNIHM-476Z E CAPACITOR 4.7uF 50V M C3011 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1423 QETNIHM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 4.7uF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 NCF31CZ-104X C C	C1405	QETN1AM-108Z			C3001			
C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31H-150X C CAPACITOR 15pF 50V J					C3002			
C1412 QETNOLM-228Z E CAPACITOR 2200uF 6.3V M C3006 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31HA-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3008 NDC31HJ-151X C CAPACITOR 120pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3010 NDC31HJ-151X C CAPACITOR 120pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NDC31HJ-151X C CAPACITOR 15pF 50V J C1421 QETNIAM-108Z E CAPACITOR 100uF 10V M C3011 NDC31HJ-150X C CAPACITOR 4.7uF 16V Z C1421 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 4.7uF 16V Z C1421 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3016 NCF31CZ-104X C C	C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3004		C CAPACITOR	15pF 50V J
C1415 NCB31HK-103X C CAPACITOR 0.01uF 50V K C300R NCB31AK-334X C CAPACITOR 0.33uF 10V K C1416 DCFTN1EM4762 E CAPACITOR 0.01uF 50V K C3008 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 120pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 120pF 50V J C1412 QETN14M-476Z E CAPACITOR 47uF 25V M C3010 NDC31HJ-150X C CAPACITOR 1.5pF 50V J C1421 QETN14M-476Z E CAPACITOR 47uF 50V M C3011 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1423 QETN14M-476Z E CAPACITOR 47uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1424 QETN14M-476Z E CAPACITOR 47uF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 QETN14M-476Z E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENC1CM-166Z BP E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENC1CM-476Z E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1513 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1513 NCB31CK-104X C CAPACITOR 0.1uF 16V X C1531 NCB31CK-104X C CAPACITOR 0.1uF 16V X C1532 QETN14M-475Z BP E CAPACITOR 0.1uF 16V X C3019 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1530 QENC1HM-475Z BC CAPACITOR 0.1uF 16V X C1530 NCB31HK-103X C CAPACITOR 0.1uF 16V X C1530 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.01uF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NC	C1411 C1412	NCB31CK-104X OFTN0.IM-2287	C CAPACITOR F CAPACITOR			NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	
C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-121X C CAPACITOR 120pF 50V J C1421 QETN1AM-476Z E CAPACITOR 100uF 10V M C3010 NDC31HJ-150X C CAPACITOR 4.7uF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3012 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3013 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 0.1uF 16V X C3018 NCB31CX-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X-104X-104X-104X-104X-104X-104X	C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1418 QETN1EM-476Z E CAPACITOR 47UF 25V M C3010 NDC31HJ-150X C CAPACITOR 4.7UF 15V Z C1423 QETN1HM-476Z E CAPACITOR 47UF 50V M C3011 NCF11CZ-475X C CAPACITOR 4.7UF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47UF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1442 QETN1EM-476Z E CAPACITOR 47UF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1502 QETN1EM-476Z E CAPACITOR 47UF 25V M C3015 NCF31CZ-104X C CAPACITOR 100UF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3017 QENC1CM-476Z E CAPACITOR 0.1UF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1UF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1UF 16V Z C1532 QETN1HM-26Z E CAPACITOR 0.1UF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1532 QENC1CM-475Z E CAPACITOR 22UF 50V M C3017 QENC1CM-475Z BP E CAPACITOR 0.1UF 50V K C1532 QENC1CM-475Z E CAPACITOR 0.1UF 50V M C3020 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1540 QETN1AM-107Z E CAPACITOR 100UF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1554 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 QETN1CM-106Z E CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C	C1416 C1417						C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETN1CM-107Z E CAPACITOR 0.1uF 16V Z C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3018 NCF31CZ-104X C CAPACITOR 0.1uF 50V K C3018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4	C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1442 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETN1CM-107Z E CAPACITOR 100uF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 10uF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 10uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1519 QETN1EM-476Z E CAPACITOR 10uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1519 QETN1EM-476Z E CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1532 QETN1HM-226Z E CAPACITOR 22uF 50V M C3019 NCB31HK-103X C CAPACITOR 0.0uF 50V K C1539 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M C3020 NCB31HK-103X C CAPACITOR 0.0uF 50V K C1539 QENC1HM-475Z BP E CAPACITOR 100uF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01uF 50V K C1553 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3023 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1566 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1566 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1567 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1569 QETN1HM-106Z E CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1569 QETN1HM-106Z E CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1670 NCB31CK-105X C CAPACITOR 10uF 50V M C3031 NCB31CZ-10	C1421 C1423	QETN1HM-476Z					C CAPACITOR C CAPACITOR	
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C1539 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M C3020 NCB31HK-103X C CAPACITOR 0.01uF 50V K C1540 QETN14M-107Z E CAPACITOR 100uF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01uF 16V Z C1553 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3025 QETN1CM-106Z E CAPACITOR 10uF 16V M C1557 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 10uF 16V Z C1579 QETN1EM-476Z E CAPACITOR 0.01uF 50V M C3027 NDC31HJ-7R0X C CAPACITOR 0.1uF 16V Z C1667 QETN1HM-106Z E CAPACITOR 10uF 50V M C3028 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1668 NDC31HJ-101X C CAPACITOR 10uF 50V M C3028 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1669 NCB21CK-105X C CAPACITOR 10uF 50V M C3029 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB21CK-105X C CAPACITOR 10uF 50V M C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1672 NCB21CK-105X C CAPACITOR 10uF 50V M C3031 NDC31HJ-360X C CAPACITOR 56pF 50V J C1673 QETN1HM-477Z E CAPACITOR 10uF 50V M C3033 NDC31HJ-330X C CAPACITOR 33pF 50V J C1674 QETM1HM-477Z E CAPACITOR 1000F 50V M C3035 NDC31HJ-330X C CAPACITOR 56pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 56pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1531	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3018	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
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C1555 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3025 QETN1CM-106Z E CAPACITOR 10uF 16V M C1557 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1579 QETN1EM-476Z E CAPACITOR 47uF 25V M C3027 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1667 QETN1HM-106Z E CAPACITOR 10uF 50V M C3028 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1668 NDC31HJ-101X C CAPACITOR 10uF 50V J C3029 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB21CK-105X C CAPACITOR 1uF 16V K C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 10uF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-350X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3035 NDC31HJ-330X C CAPACITOR 56pF 50V J C1674 QETM1HM-4708 E CAPACITOR 1000F 50V M C3035 NDC31HJ-330X C CAPACITOR 56pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1554		C CAPACITOR		C3023		C CAPACITOR	
C1557 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1579 QETN1EM-476Z E CAPACITOR 47uF 25V M C3027 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1667 QETN1HM-106Z E CAPACITOR 10uF 50V M C3028 NDC31HJ-7R0X C CAPACITOR 7pF 50V J C1668 NDC31HJ-101X C CAPACITOR 100pF 50V J C3029 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB21CK-105X C CAPACITOR 1uF 16V K C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 10upF 50V J C3032 NDC31HJ-560X C CAPACITOR 0.1uF 16V Z C1672 NCB21CK-105X C CAPACITOR 10upF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3031 NDC31HJ-330X C CAPACITOR 56pF 50V J C1674 QETN1HM-477Z E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 56pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1555							
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C1668 NDC31HJ-101X C CAPACITOR 100pF 50V J C3029 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1669 NCB21CK-105X C CAPACITOR 1uF 16V K C3030 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1671 NDC31HJ-101X C CAPACITOR 10upF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-360X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-360X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12\(\bar{u}\)F 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 10V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12\(\bar{u}\)F 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 10V J C10F 16V Z								
C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1671 NDC31HJ-101X C CAPACITOR 100pF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-330X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-560X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1668	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3029	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1671 NDC31HJ-101X C CAPACITOR 100pF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-330X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-360X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z			C CAPACITOR E CAPACITOR				C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V <i>7</i>
C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-560X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1uF 16V Z 0.1uF 16V Z								
	C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M	C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J
· · · · · · · · · · · · · · · · · · ·	C1675 C1676	QFV21HJ-124Z QFV21HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	C3036 C3037	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C3039 C3041	NCF31CZ-104X QETN1CM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 10uF 16V M	R1219 R1220	NRSA63J-331X NRSA63J-101X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 100Ω 1/16W J
C3042 C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3044 C3045	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1226 R1228	NRSA63J-103X NRSA63J-222X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 2.2kΩ 1/16W J
C3046	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1229	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3047 C3048	QETN1CM-106Z NCB31HK-472X	E CAPACITOR C CAPACITOR	10uF 16V M 4700pF 50V K	R1230 R1231	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 220Ω 1/16W J
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3050 C3051	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1234 R1236	NRSA63J-562X NRSA63J-222X	MG RESISTOR MG RESISTOR	5.6kΩ 1/16W J 2.2kΩ 1/16W J
C3052	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3053 C3054	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1261 R1262	NRSA63J-152X NRSA63J-152X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 1.5kΩ 1/16W J
C3055	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3056 C3057	NCB31HK-472X QETN1CM-106Z	C CAPACITOR E CAPACITOR	4700pF 50V K 10uF 16V M	R1266 R1267	NRSA63J-332X NRSA63J-104X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 100kΩ 1/16W J
C3058	NCF31CZ-104X QETN1HM-105Z	C CAPACITOR	0.1uF 16V Z 1uF 50V M	R1268 R1269	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 3.3kΩ 1/16W J
C3059 C3060	NCF31CZ-104X	E CAPACITOR C CAPACITOR	0.1uF 16V Z	R1272	NRSA63J-332X NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C3061 C3062	QETN1HM-105Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	1uF 50V M 0.1uF 16V Z	R1282 R1283	QRE141J-221Y NRSA63J-823X	C RESISTOR MG RESISTOR	220Ω 1/4W J 82kΩ 1/16W J
C3063	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3064 C3065	NCF31CZ-104X QETN1CM-106Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 10uF 16V M	R1285 R1286	NRSA63J-823X NRSA63J-221X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 220Ω 1/16W J
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3067 C3068	QETN1CM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 16V M 0.01uF 50V K	R1301 R1302	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C3070 C3071	NCB31HK-103X QETN1CM-476Z	C CAPACITOR E CAPACITOR	0.01uF 50V K 47uF 16V M	R1347 R1372	NRSA63J-750X NRSA63J-101X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 100Ω 1/16W J
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3077 C3078	NCB31AK-334X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.33uF 10V K 0.1uF 16V Z	R1375 R1382	NRSA63J-470X NRSA63J-101X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 100Ω 1/16W J
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3080 C3082	QBTC1CK-106Z NDC31HJ-151X	TA E CAPACITOR C CAPACITOR	10uF 16V K 150pF 50V J	R1385 R1392	NRSA63J-470X NRSA63J-101X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 100Ω 1/16W J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3088 C3089	NDC31HJ-100X NDC31HJ-100X	C CAPACITOR C CAPACITOR	10pF 50V J 10pF 50V J	R1395 R1401	NRSA63J-470X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 0Ω 1/16W J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3099 C3100	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1421 R1422	NRSA63J-683X NRSA63J-101X	MG RESISTOR MG RESISTOR	68kΩ 1/16W J 100Ω 1/16W J
C3501 C3502	NCF31CZ-104X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 100pF 50V J	R1423 R1501	NRSA63J-332X NRSA63J-100X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 10Ω 1/16W J
C3503	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3504 C3506	NDC31HJ-150X NCF11CZ-475X	C CAPACITOR C CAPACITOR	15pF 50V J 4.7uF 16V Z	R1505 R1511	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C3507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C3508 C3509	NDC31HJ-101X NDC31HJ-121X	C CAPACITOR C CAPACITOR	100pF 50V J 120pF 50V J	R1515 R1516	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C3510	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3512 C3513	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z	R1518 R1519	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C3514	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3515 C3516	NDC31HJ-121X NDC31HJ-150X	C CAPACITOR C CAPACITOR	120pF 50V J 15pF 50V J	R1521 R1522	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
C3518 C3519	NCF11CZ-475X QENC1CM-336Z	C CAPACITOR BP E CAPACITOR	4.7uF 16V Z 33uF 16V M	R1523 R1524	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C3521	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1526 R1527	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R0706 R1097	NRSA63J-103X NRSA63J-102X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 1kΩ 1/16W J	R1529 R1530	NRSA63J-221X NRSA63J-102X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 1kΩ 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105 R1107	NRSA63J-221X NRSA63J-473X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 47kΩ 1/16W J	R1534 R1535	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1111 R1112	NRSA63J-273X NRSA63J-103X	MG RESISTOR MG RESISTOR	27kΩ 1/16W J 10kΩ 1/16W J	R1537 R1538	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
R1140	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1141 R1142	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	R1560 R1562	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1144 R1145	NRSA63J-104X NRSA63J-123X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 12kΩ 1/16W J	R1577 R1578	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1579	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1147 R1149	NRSA63J-683X NRSA63J-332X	MG RESISTOR MG RESISTOR	68kΩ 1/16W J 3.3kΩ 1/16W J	R1611 R1612	NRSA63J-563X NRSA63J-563X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 56kΩ 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1152 R1157	NRSA63J-392X NRSA63J-221X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 220Ω 1/16W J	R1614 R1615	NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 56kΩ 1/16W J
R1158 R1202	NRSA63J-221X NRSA63J-101X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 100Ω 1/16W J	R1616 R1658	NRSA63J-153X NRSA63J-103X	MG RESISTOR MG RESISTOR	15kΩ 1/16W J 10kΩ 1/16W J
R1202 R1203	NRSA63J-101X NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R1659	NRSA63J-103X NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

Registry	Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
Report MRSASL-122X					R3005		MG RESISTOR	
Response					R3006 R3007			
REFST MESHALI ALE	R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J			MG RESISTOR	
R1072 GR144-3-282X UNF O RESISTOR 2.201 1494 R0014	R1670	NRSA63J-662X NRSA63J-222X		0.0kΩ 1/16W J 2.2kΩ 1/16W J	R3010			
REFORM CORPORATION CONTROL OF RESISTOR 10.1 12/W J ROOTS MERSAGLIZZY MG RESISTOR 3.0.0 11/W J ROOTS MERSAGLIZZY MG RESISTOR 10.1 11/W J ROOTS MERSAGLIZZY MG RESISTOR 11.0 11/W J ROOTS MERSAGLIZZY MG	R1671				R3013	NRSA63J-333X	MG RESISTOR	
REFS CREVICAL-1002X	R1672 R1673		UNF C RESISTOR		R3014 R3015	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	
R1869 MR5463-1473X MG RESISTOR	R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R6602	R1680 R1681	NRSA63J-272X NRSA63J-473X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 47kΩ 1/16W J		NRSA63J-152X NRSA63J-102X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 1kΩ 1/16W J
R1690 NRS-863-1-09X	R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
REGISTOR MRSABL-104X MG RESISTOR 100LL 116W J R004 R0	R1689 R1690		MG RESISTOR		R3023	NRSA63J-473X	MG RESISTOR	
REGISTOR REGISTOR GOVERNMENT REGISTOR REGISTO	R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
REGISTOR REGISTOR GOVERNMENT REGISTOR REGISTO	R1694 R1695		MG RESISTOR		R3025 R3026	NRSA63J-223X NRSA63J-223X	MG RESISTOR	
R7701 NRSA63J-07X MG RESISTOR 00.0116W J R3009 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 100.0116W	R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7702 NESAS3-101X MG RESISTOR 1004 1109 J R3000 R18AS3-101X MG RESISTOR 1004 1109 J R304 R18AS3-101X MG RESISTOR 1004 1109 J R305 R18AS3-101X MG RESISTOR					R3028 R3029		MG RESISTOR MG RESISTOR	
R1712 NRSA63-1-27X M OF RESISTOR 274,0 116W J R3404 NRSA63-1-01X M OF RESISTOR 100,0 116W J R1715 NRSA63-1-27X M OF RESISTOR 174,0 116W J R3407 NRSA63-1-02X M OF RESISTOR 100,0 116W J R3408 NRSA63-1-02X M O	R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3030	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1714 NRSA63-1-21X MC RESISTOR 12-0.110W J R3045 NRSA63-1-01X MC RESISTOR 200_110W J R1716 NRSA63-1-21X MC RESISTOR 200_110W J R3040 NRSA63-1-01X MC RESISTOR 200_110W J R3050 NRSA63-1-01X MC RESISTOR 200_110W J R3051 NRSA63-1-01X MC R505TOR 100_110W J R3051 NRSA63-1-01X MC	R1703 R1712		MG RESISTOR MG RESISTOR		R3039 R3040		MG RESISTOR MG RESISTOR	
R7115 NRSA63J-22X MG RESISTOR 4.7AQ 116W J R3047 NRSA63J-22X MG RESISTOR 20Q 116W J R7116 NRSA63J-21X MG RESISTOR 20Q 116W J R3050 NRSA63J-31X MG RESISTOR 30Q 116W J R3050 NRSA63J-31X MG RESISTOR 12Q 116W J R3050 NRSA63J-21X MG RESISTOR 20Q 116W J R3050 NRSA63J-23X MG RESISTOR 12Q 116W J R3050 NRSA63J-23X MG RESISTOR 30Q 116W J R3050 NRSA63J-23X MG RESISTOR 30Q 116W J R3050 NRSA63J-31X MG RESISTOR 30Q 116W J R3050 NRSA63J-80X MG RESISTOR 30Q 116W J R3050 NRSA63J-10X MG RESISTOR 10Q 1	R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1716			MG RESISTOR MG RESISTOR	12kΩ 1/16W J 4.7kΩ 1/16W J	R3045 R3047	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	
R1895 NRSA63-227X MG RESISTOR 2200.116WJ R3050 NRSA63-1633X MG RESISTOR 5860.116WJ R1895 NRSA63-227X MG RESISTOR 2200.116WJ R3051 NRSA63-123X MG RESISTOR 330.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 120.0116WJ R1895 NRSA63-127X MG RESISTOR 120.01	R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1896 NRSA631-221X MG RESISTOR 2200.116WJ R3051 NRSA631-123X MG RESISTOR 120.116WJ R1895 NRSA631-221X MG RESISTOR 2200.116WJ R3052 NRSA631-313X MG RESISTOR 120.116WJ R3058 NRSA631-123X MG RESISTOR 120.116WJ R3059 NRSA631-123X MG RESISTOR 120.		NRSA63J-472X NRSA63J-221X			R3049 R3050	NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR	
R1989 NRSAGSJ-221X MG RESISTOR 500 1/16W J R3053 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3064 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3064 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3060 NRSAGSJ-10X MG RESI	R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1999 NRSAGSJ-650X MG RESISTOR 56kD-1/16W J R3055 NRSAGSJ-10X MG RESISTOR 10kD-1/16W J R1906 NRSAGSJ-650X MG RESISTOR 56kD-1/16W J R3055 NRSAGSJ-62X MG RESISTOR 12kD-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 14kD-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 100D-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 10D-1/16W J R305	R1897 R1898	NRSA63J-221X NRSA63J-221X			R3052 R3053	NRSA63J-331X NRSA63J-123X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 12kΩ 1/16W J
R1942 NRSA83D-122X MG RESISTOR 1242 1/16W J R3059 NRSA83J-102X MG RESISTOR 1421 1/16W J R3050 NRSA83J-102X MG RESISTOR 1001 1/16W J R3050 NRSA83J-102X MG	R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1943 NRSA830-123X MG RESISTOR 1242 1/16W J R3069 NRSA833-102X MG RESISTOR 1842 1/16W J R1945 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1942 1/16W J R3065 NRSA833-102X MG					R3055 R3058			
R1946 NRSA63-102X MG RESISTOR 102 116W J R3065 NRSA63-101X MG RESISTOR 1002 116W J R1949 NRSA63-102X MG RESISTOR 102 116W J R3052 NRSA63-101X MG RESISTOR 1002 116W J R1949 NRSA63-12XX MG RESISTOR 1242 116W D R3050 NRSA63-101X MG RESISTOR 1002 116W J R3050 NRSA63-102X MG RESISTOR 10	R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1946 NRSA63-102X MG RESISTOR 162 116W J R3060 NRSA63-101X MG RESISTOR 1002 116W J R1990 NRSA630-822X MG RESISTOR 8.262 116W J R3090 NRSA630-822X MG RESISTOR 1002 116W J R3090 NRSA630-822X MG RESISTOR 2006 116W J R3090 NRSA630-102X MG RESISTOR 1002 116W J R3090 NRSA630-102X MG	∆\R1944 R1945				R3060 R3065		MG RESISTOR MG RESISTOR	
R1990 NRSA63D-822X MG RESISTOR 8.2kg 1/16W J R3903 NRSA63J-182X MG RESISTOR 18kg 1/16W J R3903 NRSA63J-181X MG RESISTOR 18kg 1/16W J R3903 NRSA63J-181X MG RESISTOR 18kg 1/16W J R3905 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3907 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3907 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3908 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3909 NRSA63	R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1952 R185A63_331X MG RESISTOR 330Ω 1/16W J R3504 R185A63_1-181X MG RESISTOR 100Ω 1/16W J R1957 R1957 R185A63_1-62X MG RESISTOR 6.8kΩ 1/16W D R3507 R185A63_1-101X MG RESISTOR 100Ω 1/16W J R1959 R1954	R1949 R1950			1.2kΩ 1/16W D 8.2kΩ 1/16W D	R3502 R3503		MG RESISTOR MG RESISTOR	100Ω 1/16W J 1 8kO 1/16W J
R1957 NRSA630-682X MG RESISTOR 6.8kg 1/16W D R3507 NRSA631-101X MG RESISTOR 1.00Ω 1/16W J R1961 NRSA631-102X MG RESISTOR 1.8kg 1/16W D R3508 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 0.02 1/16W J R3520 NRSA631-102X MG RESISTOR 0.02 1/16W J R3521 NRSA631-102X MG RESISTOR 0.	R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1999 NRSA631-182X MG RESISTOR 1.8kg 1/16W J R3508 NRSA631-0R0X MG RESISTOR C2 \(\text{C} \) 2.7 2.7	R1953 R1957				R3505 R3507			
R1962 NRSA63J-562X MG RESISTOR 5.6kc/ 1/16W J R3511 NRSA63J-160X MG RESISTOR 00.1/16W J R1964 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3516 NRSA63J-101X MG RESISTOR 100.01 1/16W J R1964 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3518 NRSA63J-101X MG RESISTOR 100.01 1/16W J R1965 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3519 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1966 NRSA63J-22X MG RESISTOR 8.2kc/ 1/16W J R3519 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1966 NRSA63J-102X MG RESISTOR 8.2kc/ 1/16W J R3520 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 12kc/ 1/16W J R3520 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 11kc/ 1/16W J R3523 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 11kc/ 1/16W J R3523 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1971 QRT039J-R68 MF RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 1/16W J R1975 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1978 NRSA63J-102X MG RESISTOR 1800 1/17W J R3535 NRSA63J-101X MG RESISTOR 10.02 1/16W J R1982 NRSA63J-222X MG RESISTOR 12.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 2.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 2.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1982 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-12X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.	R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1963 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-600X MG RESISTOR 66Ω 1/16W J R1965 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3520 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3520 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3522 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3523 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3523 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3525 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3535 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3536 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3548 NRSA63J-203X MG RESISTOR 1.9kΩ 1/16W J R3550 NRSA63J-203X MG RESISTOR 1.9kΩ 1/16W J R3550 NRSA63J-203X MG RESISTO	R1961 R1962	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR			NRSA63J-222X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	
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R3002 NRSA63J-333X MG RESISTOR 33kΩ 1/16W J L1947 QQR1401-001 CHOKE COIL R3003 NRSA63J-101X MG RESISTOR 100Ω 1/16W J L1948 QQL26AK-100Z CHOKE COIL 10uH K	R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L1946	QQL26AK-220Z	CHOKE COIL	
R3004 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K								10u⊔ k
	R3004							

⚠Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
L1951 L1952 L1983 L3001 L3002 L3003	QQL26AK-470Z QQL26AK-470Z QRN143J-0R0X NQL092K-6R8X NQL092K-6R8X NQR0413-003X	CHOKE COIL CHOKE COIL C RESISTOR COIL COIL FERRITE BEADS	47uH K 47uH K 0Ω 1/4W J 6.8uH K 6.8uH K	Q808 Q809 Q810 Q971 D164	2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SA1208/ST/Z1-T 1SS355-X	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR SI DIODE	
L3004 L3007 L3501 L3502 L3503	NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X	FERRITE BEADS MG RESISTOR COIL COIL COIL	0Ω 1/10W J 6.8uH K 6.8uH K 6.8uH K	D165 D170 D171 D173 D174 D201	NRSA02J-0R0X 1SS355-X 1SS355-X 1SS355-X 1SS355-X 1SR35-400A-T2	MG RESISTOR SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE	0Ω 1/10W J
CN1001 CN1002 CN1003 CN1004 H1661 H1802 J1091 J2101 J2102 J2111 J2121 K1943 K1944 LC1301 LC1303 LC2301 LC2302 LC2303 LC2303	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 QGC2508C1-C0 LC30145-003A CM42862-A0A QNS0242-001 QNN0628-001 QNN0628-001 QNN0638-001 QNN0638-001 QRN143J-0R0X QRN143J-0R0X QRN143J-0R0X QRR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	CONNECTOR CONNECTOR CONNECTOR CONNECTOR HEAT SINK/AL-F/ HEAT SINK ASSY 3.5 JACK PIN JACK PIN JACK PIN JACK C RESISTOR C RESISTOR EMI FILTER	B-B (1-16) B-B (1-16) B-B (1-16) (1-120) AV COMPULINK V/L IN RINLR OUTICENTER CH IN S IN COMP-1/2 IN 0Ω 1/4W J 0Ω 1/4W J	D221 D301 D302 D303 D311 D401 D402 D403 D404 D405 D501 D504 D506 D507 D521 D522 D531 D561 D562	1SS355-X EU2-T3 RU30A-F1 1SR124-400A-T2 MTZJ75-T2 1SR35-400A-T2 MA111-X MA8068/M/-X MA111-X MA8068/M/-X 1SS81-T2 RG2A-LFC4 FMV-3FU-F1 V11CA-C1 MA8120-X MA111-X RGP10J-5025-T3 MA4068N/Z1/-T2 MA4068N/Z1/-T2	SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE SI DIODE SI DIODE SI DIODE CHIP ZENER DIODE SI DIODE Z DIODE Z DIODE	
LC2322 LC2323 LC3001 LC3002 LC3003 LC3004 LC3005 LC3006 LC3007 LC3008 LC3501	QQR1199-001 QQR1199-001 NQR0470-001X NQR0470-001X NQR0483-005X NQR0470-003X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-003X	EMI FILTER	22pF 50V +50%-20% 22pF 50V +50%-20% 100uF 25V Z 100pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20%	D583 D804 D805 D811 D812 D841 D842 D850 D972 D973	MA111-X 1SR153-400-T2 1SR153-400-T2 RD5.6E/B2/-T2 RD5.6E/B2/-T2 PTZ6.8B-X PTZ5.1B-X RD5.6E/B2/-T2 MA8150/M/-X MA111-X	SI DIODE FR DIODE FR DIODE Z DIODE SI DIODE SI DIODE	
LC3502 LC3503 SL1211 ≜TU1101 X3001	NQR0470-003X NQR0470-003X CSB503F30-T2 QAU0352-001 NAX0570-001X	EMI FILTER EMI FILTER C RESONATOR TUNER CRYSTAL	100pF 50V +50%-20% 100pF 50V +50%-20% 27.000MHz	C102 C103 C104 C106 C107 C108 C109 C110	NCB31HK-103X NCB31HJ-561X NDC31HJ-561X NDC31HJ-102X NDC21HJ-122X QETN1HM-475Z NCB31HK-103X NCB31HK-102X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K 560pF 50V J 1000pF 50V J 1200pF 50V J 4.7uF 50V M 0.01uF 50V K 1000pF 50V K
	ONVERGENC 012A-M2)	E OUT P.W. BO	ARD ASS'Y	C111 C112	QETN1HM-225Z QETN1HM-225Z	E CAPACITOR E CAPACITOR	2.2uF 50V M 2.2uF 50V M
⚠Ref No.	Part No.	Part Name	Description Local	C113 C114 C115 C116	NDC21HJ-122X NDC31HJ-102X NDC31HJ-102X NCB31HK-103X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	1200pF 50V J 1000pF 50V J 1000pF 50V J 0.01uF 50V K
IC101 IC161 IC162 IC163 IC212 IC401 IC801 IC804 IC805 IC807	LA7860M-X AN5441SA-W BA10393F-XE AN7805F CXA1875AM-X AN15525A L7805CP STK394-250 STK394-210 SN74LVC1G126V-X	IC IC IC IC IC IC IC IC		C117 C118 C120 C121 C122 C123 C124 C131 C132 C133 C134	QTMN1CM-477Z NCB31HK-103X QETN1CM-476Z QETN1CM-107Z NCB31HK-103X NCB31HK-103X NCB31HK-103X NDC31HJ-101X QETN1HM-105Z NCB21EK-124X NCB31HK-153X	E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR	470uF 16V M 0.01uF 50V K 47uF 25V M 100uF 16V M 0.01uF 50V K 0.01uF 50V K 0.01uF 50V K 100pF 50V J 1uF 50V M 0.12uF 25V K 0.015uF 50V K
Q101 Q102 Q131 Q132 Q162 Q168 Q171 Q172 Q401 Q402 Q501 \$\Delta\text{Q503}\$\$\$\$Q521 Q531 Q532 Q533 Q806 Q807	2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SC3311A/QR/-T 2SC3311A/QR/-T 2SC5931-RL 2SC3311A/QR/-T IRFI620G 2SC1959/Y/-T 2SA562TM/Y/-T 2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR MOS FET POW TRANSISTOR		C135 C136 C137 C138 C161 C162 C163 C164 C165 C167 C168 C170 C171 C172 C173 C173 C178 C179 C180	NDC31HJ-102X NDC31HJ-102X NDC31HJ-102X NDC31HJ-102X NDC31HJ-181X QETN1CM-108Z NCB31HK-103X QETN1AM-477Z NCB31HK-103X NCB31CK-104X QFLM1HJ-332Z NCB31HK-103X QFVF1HJ-184Z QETN1HM-475Z NCB31HK-153X NCB31HK-153X NCB31HK-153X NCB31HK-152X NCB31HK-152X NCB31CK-104X NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR M CAPACITOR C CAPACITOR	1000pF 50V J 1000pF 50V J 1000pF 50V J 180pF 50V J 180pF 50V K 470uF 16V M 0.01uF 50V K 0.1uF 16V K 3300pF 50V J 0.01uF 50V K 0.01uF 50V K 0.18uF 50V J 4.7uF 50V M 0.015uF 50V K 0.15uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C182 C185	NCB31CK-104X NCB21HK-563X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.056uF 50V K	R113 R114	NRSA63D-123X NRSA63J-222X	MG RESISTOR MG RESISTOR	12kΩ 1/16W D 2.2kΩ 1/16W J
C187	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C201 C212	QFV21HJ-334Z QETN1HM-106Z	MF CAPACITOR E CAPACITOR	0.33uF 50V J 10uF 50V M	R117 R120	NRSA63J-332X NRSA63J-183X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 18kΩ 1/16W J
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R121	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C301 C302	QETN1EM-108Z QETN1EM-108Z	E CAPACITOR E CAPACITOR	1000uF 25V M 1000uF 25V M	R122 R123	QRG01GJ-470 QRK126J-101X	OMF RESISTOR UNF C RESISTOR	47Ω 1W J 100Ω 1/2W J
C303	QETM2EM-336	E CAPACITOR	33uF 250V M	R126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C311 C312	QETN1VM-107Z QCB32HK-821Z	E CAPACITOR C CAPACITOR	100uF 35V M 820pF 500V K	R127 R129	NRSA63J-103X NRSA63D-183X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 18kΩ 1/16W D
C401	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C402 C403	QFN31HJ-152Z QCS32HJ-180Z	M CAPACITOR C CAPACITOR	1500pF 50V J 18pF 500V J	R133 R134	NRSA63J-151X NRSA63J-334X	MG RESISTOR MG RESISTOR	150Ω 1/16W J 330kΩ 1/16W J
C404	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C405 C406	QFV21HJ-104Z QETN1VM-107Z	MF CAPACITOR E CAPACITOR	0.1uF 50V J 100uF 35V M	R139 R140	NRSA63J-223X NRSA63J-103X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 10kΩ 1/16W J
C407	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C408 C409	QFLC2AJ-104Z QETN1HM-106Z	M CAPACITOR E CAPACITOR	0.1uF 100V J 10uF 50V M	R142 R143	NRSA63J-103X NRSA63J-471X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 470Ω 1/16W J
C411	QCB31HK-2227	C CAPACITOR	2200pF 50V K	R161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C412 C413	QENC1CM-226Z QENC1CM-226Z	BP E CAPACITOR BP E CAPACITOR	22uF 16V M 22uF 16V M	R162 R163	NRSA63J-221X NRSA63J-101X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 100Ω 1/16W J
C415	QFLC2AJ-823Z	M CAPACITOR	0.082uF 100V J	R164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C416 C501	QCB31HK-682Z QCB32HK-331Z	C CAPACITOR C CAPACITOR	6800pF 50V K 330pF 500V K	R168 R169	NRSA63J-0R0X NRSA63J-332X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 3.3kΩ 1/16W J
C502	QFN32DK-103	M CAPACITOR	0.01uF 200V K	R172	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C503 C506	QFV21HJ-224Z QFZ0122-452	MF CAPACITOR MPP CAPACITOR	0.22uF 50V J 4500pF 1.8kV H	R174 R175	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
C507	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H	R176	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C508 C511	QFP32JJ-103 QFZ0128-404	PP CAPACITOR MPP CAPACITOR	0.01uF 630V J 0.4uF DC400V H	R177 R178	NRSA63J-123X NRSA63J-471X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 470Ω 1/16W J
C513	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J	R179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D
C514	QCS32HJ-561	C CAPACITOR	560pF 500V J	R180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
C521 C522	QCZ0122-681 QCZ0122-681	C CAPACITOR C CAPACITOR	680pF 2kV K 680pF 2kV K	R182 R183	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
C523	QFN32AJ-682Z	M CAPACITOR	6800pF 100V J	R184	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D
C524 C525	QCS31HJ-470Z QCB31HK-682Z	C CAPACITOR C CAPACITOR	47pF 50V J 6800pF 50V K	R185 R186	NRSA63D-183X NRSA63J-562X	MG RESISTOR MG RESISTOR	18kΩ 1/16W D 5.6kΩ 1/16W J
C527	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C533 C534	QCS32HJ-561 QFN32DK-222Z	C CAPACITOR M CAPACITOR	560pF 500V J 2200pF 200V K	R188 R189	NRSA63D-101X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	100Ω 1/16W D 0Ω 1/16W J
C536	QFN32DJ-152Z	M CAPACITOR	1500pF 200V J	R190	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
C591 C701	QEZ0203-107 QFLC2AJ-223Z	E CAPACITOR M CAPACITOR	100uF 160V M 0.022uF 100V J	R193 R195	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J
C803 C804	QETN1CM-107Z NCB31EK-104X	E CAPACITOR C CAPACITOR	100uF 16V M	R196 R197	NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J
C804 C807	QETN1CM-107Z	E CAPACITOR E CAPACITOR	0.1uF 25V K 100uF 16V M	R198	NRSA63J-183X NRSA63J-103X	MG RESISTOR	18kΩ 1/16W J 10kΩ 1/16W J
C808 C809	NCB31EK-104X NCB31EK-104X	C CAPACITOR C CAPACITOR	0.1uF 25V K 0.1uF 25V K	R207 R208	NRS144F-274X NRS144F-274X	MG RESISTOR MG RESISTOR	270kΩ 1/4W F 270kΩ 1/4W F
C810	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R209	NRS144F-274X NRS144F-184X	MG RESISTOR	270kΩ 1/4W F 180kΩ 1/4W F
C812	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C818 C819	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	R217 R223	NRSA63J-221X NRSA63J-101X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 100Ω 1/16W J
C820 C821	NDC31HJ-151X NDC31HJ-151X	C CAPACITOR C CAPACITOR	150pF 50V J 150pF 50V J	R224 R226	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C822	NDC31HJ-151X NDC31HJ-151X	C CAPACITOR C CAPACITOR	150pF 50V J	R227	NRSA63J-102X	MG RESISTOR	160Ω 1/16W J 1kΩ 1/16W J
C823 C824	NDC31HJ-151X NDC31HJ-151X	C CAPACITOR C CAPACITOR	150pF 50V J 150pF 50V J	R230 R401	NRSA63J-223X NRSA63J-562X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 5.6kΩ 1/16W J
C825	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R402	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D
C827 C828	QETN1HM-477Z QETN1HM-477Z	E CAPACITOR E CAPACITOR	470uF 50V M 470uF 50V M	R403 R404	QRE121J-180Y NRVA63D-682X	C RESISTOR CMF RESISTOR	18Ω 1/2W J 6.8kΩ 1/16W D
C829	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R405	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D
C830 C831	NDC31HJ-151X NDC31HJ-151X	C CAPACITOR C CAPACITOR	150pF 50V J 150pF 50V J	R406 R407	NRVA63D-472X NRVA63D-821X	CMF RESISTOR CMF RESISTOR	4.7kΩ 1/16W D 820Ω 1/16W D
C832	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R408	NRVA63D-821X	CMF RESISTOR	820Ω 1/16W D
C833 C834	NDC31HJ-151X NDC31HJ-151X	C CAPACITOR C CAPACITOR	150pF 50V J 150pF 50V J	R409 R410	QRL029J-221 QRT029J-2R2	OMF RESISTOR MF RESISTOR	220Ω 2W J 2.2Ω 2W J
C838	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R412	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C844 C851	QETN1CM-107Z NDC31HJ-100X	E CAPACITOR C CAPACITOR	100uF 16V M 10pF 50V J	R413 R416	NRSA63J-104X NRSA63J-103X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J
C852	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R418	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C853 C971	NDC31HJ-100X QETN1CM-107Z	C CAPACITOR E CAPACITOR	10pF 50V J 100uF 16V M	R420 R421	NRSA63J-101X NRSA63J-682X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 6.8kΩ 1/16W J
C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R422	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R426 R427	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
R101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R430	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R103 R104	NRSA63J-681X	MG RESISTOR MG RESISTOR	680Ω 1/16W J 10kΩ 1/16W J	R431	QRE121J-101Y QRE121J-101Y	C RESISTOR C RESISTOR	100Ω 1/2W J
R104 R105	NRSA63J-103X NRSA63J-473X	MG RESISTOR	10kΩ 1/16W J 47kΩ 1/16W J	R432 R501	NRSA63J-471X	MG RESISTOR	100Ω 1/2W J 470Ω 1/16W J
R106 R107	NRSA63J-123X NRSA63J-103X	MG RESISTOR	12kΩ 1/16W J 10kΩ 1/16W J	R502	QRE121J-123Y QRE121J-152Y	C RESISTOR	12kΩ 1/2W J 1.5kΩ 1/2W J
R109	NRSA63J-682X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J	R503 R504	QRL039J-222	C RESISTOR OMF RESISTOR	2.2kΩ 3W J
R110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R505	QRL039J-222	OMF RESISTOR	2.2kΩ 3W J
R111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	R506	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J

ΔRef No.	Part No.	Part Name	Description Lo
R512	QRL029J-331	OMF RESISTOR	330Ω 2W J
R521 R522	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
R523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R524	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R525	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R526	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R531	QRL029J-102	OMF RESISTOR	1kΩ 2W J 82Ω 2W J
R532 R533	QRL029J-820 QRL029J-820	OMF RESISTOR OMF RESISTOR	82Ω 2W J
R534	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R535	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R536	NRSA63J-470X NRVA63D-472X	MG RESISTOR CMF RESISTOR	47Ω 1/16W J
R561 R562	NRVA63D-472X NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D 4.7kΩ 1/16W D
R563	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R565	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R591	QRF154K-3R3	UNF WW RESISTOR OMF RESISTOR	3.3Ω 15W K 39Ω 1W J
R701 R702	QRG01GJ-390 QRE121J-123Y	C RESISTOR	12kΩ 1/2W J
R703	QRZ0056-103Z	COMP RESISTOR	10kΩ 1/2W K
R801	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R802 R803	NRSA63J-272X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 2.7kΩ 1/16W J
R804	NRSA63J-272X NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R805	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R806	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R811 R814	NRSA63J-105X QRL029J-151	MG RESISTOR OMF RESISTOR	1MΩ 1/16W J 150Ω 2W J
R818	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R828	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R829	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R830 R831	NRSA63J-101X NRSA63J-102X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 1kΩ 1/16W J
R832	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R833	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R834	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R835 R836	NRSA63J-473X NRSA63J-473X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 47kΩ 1/16W J
R837	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R838	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R839 R840	NRSA63J-473X NRSA63J-332X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 3.3kΩ 1/16W J
R842	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J
R843	QRL029J-221	OMF RESISTOR	220Ω 2W J
R844	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R846 R847	QRX01GJ-1R5 QRL029J-151	MF RESISTOR OMF RESISTOR	1.5Ω 1W J 150Ω 2W J
R848	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R850	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J
R851 R852	QRL029J-221 NRSA63J-332X	OMF RESISTOR MG RESISTOR	220Ω 2W J 3.3kΩ 1/16W J
R854	QRX01GJ-1R5	MF RESISTOR	3.3κ <u>2</u> 2 1/10W J 1.5Ω 1W J
R855	QRL029J-151	OMF RESISTOR	150Ω 2W J
R856	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R858 R859	QRX01GJ-3R3 QRL029J-221	MF RESISTOR OMF RESISTOR	3.3Ω 1W J 220Ω 2W J
R860	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R862	QRX01GJ-1R8	MF RESISTOR	1.8Ω 1W J
R863	QRL029J-151	OMF RESISTOR	150Ω 2W J
R864 R866	NRSA63J-473X NRSA63J-102X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 1kΩ 1/16W J
R867	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R874	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R972 R973	NRSA63D-112X QRA14CF-7501Y	MG RESISTOR CMF RESISTOR	1.1kΩ 1/16W D 7.5kΩ 1/4W F
R975	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R977	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R978	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
L101	QQL01BK-470Z	PEAKING COIL	47uH K
L103	NQL092K-100X	COIL	10uH K
L104	NQL092K-100X	COIL	10uH K
L105 L301	QQL01BK-101Z QQLZ026-140	PEAKING COIL COIL	100uH K 14uH Å}7%
L502	QQR1408-001	CHOKE COIL	1441171770
L505	QQR1149-004	LINEARITY COIL	
L531	QQR1422-005	CHOKE COIL	
L701 L802	QQR1422-005 QQL521J-470	CHOKE COIL COIL	47uH J
T501	QQR1111-001	DRIVE TRANSF	774110
T701	QQR1458-001	DAF TRANS	
CN007	QGB1506M1-16	CONNECTOR	B-B (1-16)
CN007 CN008	QGB1506M1-16 QGB1506M1-16	CONNECTOR	B-B (1-16) B-B (1-16)
CN00N	QJB003-101010	SIN ID C-C WIRE	(· · •)

⚠Ref No.	Part No.	Part Name	Description Loc
CN00Y CN011 CN012 CN0AA CN0AB	WJK0170-001A QGB2501J1-15 QGB2501J1-15 WJP0037-001A QGZ8001C1-03 QRZ9011-1R0 QRZ9011-1R0 QRZ9011-1R0 QRZ9011-4R7 LC30416-001A LC31212-001B LC30521-001A CEHT11B-005QS CEHT11B-005QS CEHT11B-005QS CEHT11B-001A LC31881-001A LC31881-001A QQR0621-002Z QQR1139-001 QQR1139-001 QQR1139-001 QQR0621-002Z	E-SI C WIRE C-B CONNECTOR CONNECTOR W TO B CONNE CONNECTOR FUSI RESISTOR FUSI RESISTOR FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK HEAT SINK HEAT SINK HEAT SINK FERRITE BEADS	B-B (1-15) B-B (1-15) (1-3) 1Ω 1/2W J 1Ω 1/2W J 4.7Ω 1/2W J

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

⚠Ref No. Part No. Part Name		Part Name	Description Local
IC1001	TDA6111Q	IC	
D1006	RM2C-LFA1	SI DIODE	
D1101	EU01N-T2	SI DIODE	
D1102	MA8150/M/-X	Z DIODE	
C1002	QETN2EM-106Z	E CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR	10uF 250V M
C1004	QETN2EM-106Z		10uF 250V M
C1005	QFZ9027-472		4700pF 1000V K
C1101	NDC31HJ-6R0X		6pF 50V J
C1102	QETN1HM-106Z		10uF 50V M
C1103	NCB31HK-103X		0.01uF 50V K
C1104	QETN1EM-476Z		47uF 25V M
C1107	QFK62EK-104Z		0.1uF 250V K
C1108	NDC31HJ-561X		560pF 50V J
R1001	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J
R1002	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K
R1003	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K
R1101	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1103	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1104	QRL039J-473	OMF RESISTOR	47kΩ 3W J
R1106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1107	QRC121K-561Z	COMP RESISTOR	560Ω 1/2W K
L1101	QQL26AJ-102Z	PEAKING COIL	1mH J
L1102	QQL244K-5R6Z	PEAKING COIL	5.6uH K
CN10RE H1001 SG1001 ΔSK1001	QGZ5004C1-02 LC31150-002A QAF0056-501Z QNZ0536-001	CONNECTOR HEAT SINK/AL-F1 SURGE ABSORBER CRT SOCKET	(1-2) 500V M

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC2001	TDA6111Q	IC	
D2006 D2101 D2102	RM2C-LFA1 EU01N-T2 MA8150/M/-X	SI DIODE SI DIODE Z DIODE	
C2001 C2002	QETN2EM-106Z QETN2EM-106Z	E CAPACITOR E CAPACITOR	10uF 250V M 10uF 250V M

⚠Ref No.	Part No.	Part Name	Description Loc	
C2004 C2005 C2010 C2101 C2102	QETN2EM-106Z QFZ9027-472 QETN1CM-107Z NDC31HJ-6R0X QETN1HM-106Z	E CAPACITOR MM CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR	10uF 250V M 4700pF 1000V K 100uF 16V M 6pF 50V J 10uF 50V M	
C2103 C2104 C2107 C2108	NCB31HK-103X QETN1EM-476Z QFK62EK-104Z NDC31HJ-561X	C CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR	0.01uF 50V K 47uF 25V M 0.1uF 250V K 560pF 50V J	
R2001 R2002 R2003 R2010 R2011 R2012 R2101 R2102 R2103 R2104 R2106 R2107	QRE121J-105Y QRC121K-102Z QRZ0107-152Z NRSA63D-123X NRSA63D-223X NRSA63D-472X NRSA63J-82X NRSA63J-182X NRSA63J-821X QRL039J-473 NRSA63J-103X QRC121K-561Z	C RESISTOR COMP RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR COMP RESISTOR	1MΩ 1/2W J 1kΩ 1/2W K 1.5kΩ 1/2W K 1.5kΩ 1/16W D 22kΩ 1/16W D 4.7kΩ 1/16W D 680Ω 1/16W J 1.8kΩ 1/16W J 820Ω 1/16W J 47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K	
L2001 L2101 L2102	QQL26AJ-102Z QQL26AJ-102Z QQL244K-5R6Z	PEAKING COIL PEAKING COIL PEAKING COIL	1mH J 1mH J 5.6uH K	
CN200E CN200V CN20GE CN2GBN CN2RGK CN2RGN	WJP0058-001A QJB003-051810 QGZ5004C1-02 QJB003-042424 QJB003-062211 QJB003-062212	E-SI C WIRE C-B SIN ID C-C WIRE CONNECTOR SIN ID C-B WIRE SIN ID C-B WIRE SIN ID C-B WIRE HEAT SINK/AL-F1	(1-2)	
H2001 SG2001 ∆SK2001	LC31150-002A QAF0056-501Z QNZ0536-001	SURGE ABSORBER CRT SOCKET	500V M	

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

⚠Ref No.	Part No.	Part Name	Description Loca
IC3001	TDA6111Q	IC	
Q3031	2SA1037AK/QR/-X	TRANSISTOR	
D3006 D3101 D3102 D3201	RM2C-LFA1 EU01N-T2 MA8150/M/-X MA111-X	SI DIODE SI DIODE Z DIODE SI DIODE	
C3002 C3004 C3005 C3101 C3102 C3103 C3104 C3107 C3108 C3201	QETN2EM-106Z QETN2EM-106Z QFZ9027-472 NDC31HJ-100X QETN1HM-106Z NCB31HK-103X QETN1EM-476Z QFK62EK-104Z NDC31HJ-561X NDC31HJ-330X	E CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR MM CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	10uF 250V M 10uF 250V M 4700pF 1000V K 10pF 50V J 10uF 50V M 0.01uF 50V K 47uF 25V M 0.1uF 250V K 560pF 50V J 33pF 50V J
R3001 R3002 R3003 R3031 R3032 R3032 R3101 R3102 R3103 R3104 R3106 R3107 R3201	QRE121J-105Y QRC121K-102Z QRZ0107-152Z NRSA63D-123X NRSA63D-562X NRSA63J-104X NRSA63J-681X NRSA63J-182X NRSA63J-182X NRSA63J-821X QRL039J-473 NRSA63J-103X QRC121K-561Z NRSA63J-681X	C RESISTOR COMP RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR COMP RESISTOR MG RESISTOR	1MΩ 1/2W J 1kΩ 1/2W K 1.5kΩ 1/2W K 1.5kΩ 1/16W D 5.6kΩ 1/16W D 100kΩ 1/16W J 680Ω 1/16W J 820Ω 1/16W J 47kΩ 3W J 10kΩ 1/16W J 560Ω 1/2W K
L3101 L3102	QQL26AJ-102Z QQL244K-5R6Z	PEAKING COIL PEAKING COIL	1mH J 5.6uH K
CN30BE CN3GBK	QGZ5004C1-02 QJB003-062211	CONNECTOR SIN ID C-B WIRE	(1-2)
H3001 SG3001 ASK3001	Q3B003-002211 LC31150-002A QAF0056-501Z QNZ0536-001	HEAT SINK/AL-F1 SURGE ABSORBER CRT SOCKET	500V M

Description Local VM P.W. BOARD ASS'Y (SRP-7201A-M2)

ÆRef No.	Part No.	Part Name	Description Loca
Q7101 Q7102 Q7103 Q7104 Q7105 Q7106	2SC1906-T 2SA1005/MLK/-T 2SC1959/Y/-T 2SA562TM/Y/-T 2SJ407 2SK2381	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR POWER MOS FET POWER MOS FET	
D7101 D7102 D7103	1SS355-X RGP10J-04TS-T3 RGP10J-04TS-T3	SI DIODE SI DIODE SI DIODE	
C7101 C7102 C7103 C7104 C7107 C7108 C7109 C7110 C7111 C7112 C7113 C7116 C7117 C7118 C7119 C7120	NCB31HK-102X QETN1HM-106Z NCB31HK-473X NCB31HK-473X QFN32DK-103 QFN32DK-103 QETN2CM-475Z QETN2AM-226Z QETN2AM-226Z QFN31HJ-222Z QFN31HJ-222Z QFN31HJ-222Z QFN32DK-103 QFN32DK-103 QFN32DK-103 QFK62EK-104Z QCB32HK-152Z	C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR M CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR M CAPACITOR C CAPACITOR C CAPACITOR	1000pF 50V K 10uF 50V M 0.047uF 50V K 0.047uF 50V K 0.01uF 200V K 0.01uF 200V K 4.7uF 160V M 22uF 100V M 22uF 100V M 22uF 50V J 2200pF 50V J 33pF 500V J 0.01uF 200V K 0.01uF 250V K 1500pF 50V K
R7101 R7102 R7103 R7104 R7105 R7106 R7107 R7110 R7111 R7112 R7113 R7114 R7115 R7116 R7119 R7120 R7121 R7122 R7123 R7124	NRSA63J-101X NRSA63J-322X NRSA63J-332X NRSA63J-332X NRSA63J-391X NRSA63J-391X NRSA63J-392X QRJ146J-681X QRE121J-473Y QRE121J-473Y QRJ146J-681X QRJ146J-470X QRJ146J-470X QRJ146J-470X QRJ146J-150 QRG01GJ-150 QRG01GJ-150 QRL039J-150 QRL039J-150 QRL039J-150 QRL039J-150 QRL039J-150 NRSA63J-101X	MG RESISTOR C RESISTOR UNF C RESISTOR OMF RESISTOR	100Ω 1/16W J 22kΩ 1/16W J 3.3kΩ 1/16W J 3.3kΩ 1/16W J 390Ω 1/16W J 470Ω 1/16W J 470Ω 1/16W J 680Ω 1/4W J 47kΩ 1/2W J 47kΩ 1/2W J 47kΩ 1/2W J 47Ω 1/4W J 47Ω 1/4W J 15Ω 1W J 22Ω 1W J 15Ω 3W J
CN700J H7105 H7106 K7101	QJB003-052610 CEHS12B-002Q CEHS12B-002Q QQR1114-001Z	SIN ID C-B WIRE HEAT SINK HEAT SINK FERRITE BEADS	

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

Part No.	Part Name	Description Loca
GP1UM281QK	IR DETECT UNIT	38kHz
MA8068-X	Z DIODE	
NCB31CK-104X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 47uF 25V M
NRSA63J-102X NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR MG RESISTOR	$1 k\Omega$ 1/16W J 100 Ω 1/16W J 100 Ω 1/16W J
	GP1UM281QK MA8068-X NCB31CK-104X QETN1EM-476Z NRSA63J-102X NRSA63J-101X	GP1UM281QK IR DETECT UNIT MA8068-X Z DIODE NCB31CK-104X C CAPACITOR QETN1EM-476Z E CAPACITOR NRSA63J-102X MG RESISTOR NRSA63J-101X MG RESISTOR

POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
IC911 IC921	STR-X6737M-F2 SE140N	IC IC	
Q811	UN221C-X	DIGI TRANSISTOR	

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
Q950 Q952 Q953 Q954 Q955 Q956 Q961 Q962 Q970	UN221C-X UN221C-X 2SC3928A/QR/-X UN221C-X UN2211-X 2SC3928A/QR/-X UN221C-X 2SC4682-T 2SC3928A/QR/-X	DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		R918 R920 R922 R923 R925 R932 R941 R944 R948	QRE121J-102Y QRE121J-684Y QRE121J-101Y NRSA63J-102X QRG01GJ-470 NRSA63J-333X QRL039J-333 QRE121J-182Y QRE121J-102Y	C RESISTOR C RESISTOR C RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR OMF RESISTOR C RESISTOR C RESISTOR	1kΩ 1/2W J 680kΩ 1/2W J 100Ω 1/2W J 1kΩ 1/16W J 47Ω 1W J 33kΩ 1/16W J 33kΩ 3W J 1.8kΩ 1/2W J 1kΩ 1/2W J
D815 D816 D816 D911 D912 D913 D914 D915 D920 D921 D931 D932 D935 D936 D937 D938 D939 D941 D943	MA8150/M/-X MA8068/M/-X RBV-606 RGP10J-5025-T3 RGP10J-5025-T3 MA111-X MA111-X SARS01-T2 MA111-X MA8056/M/-X RU4AM-F1 31DF6N-FC5 RU3YX-FC4 FMX-G12S RGP10J-5025-T3 FMX-G12S RD12E/B1/-T2 MA8300/H/-X RD12E/B1/-T2	Z DIODE CHIP ZENER DIODE BRIDGE DIODE SI DIODE Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE		R957 R959 R961 R962 R963 R964 R965 R967 R968 R969 R971 R973 R974 R975 R976 R986 R988	QRL 029J-102 QRE 121J-121Y NRSA63J-222X QRE 121J-153Y QRE 121J-153Y NRSA63D-682X NRSA63J-223X NRSA63J-473X NRSA63J-103X NRSA63J-103X QRE 121J-103Y QRE 121J-103Y QRE 121J-153Y NRSA63D-153X NRSA63D-153X NRSA63D-393X NRSA63D-472X QRE 121J-222Y QRG 01GJ-152 QRZ 0111-685	OMF RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR G RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR G RESISTOR C RESISTOR C RESISTOR G RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR C RESISTOR C RESISTOR C RESISTOR	1kΩ 2W J 120Ω 1/2W J 2.2kΩ 1/16W J 15kΩ 1/2W J 15kΩ 1/2W J 6.8kΩ 1/16W D 22kΩ 1/16W J 47kΩ 1/16W J 22kΩ 1/16W J 10kΩ 1/16W J 10kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W J 22kΩ 1/16W J 15kΩ 1/16W J 15kΩ 1/16W D 39kΩ 1/16W J 2.2kΩ 1/16W J
D943 D956 D957 D958	MA111-X MA111-X	SI DIODE SI DIODE		L931 _∆T921	QQL26AK-470Z QQS0264-001	CHOKE COIL SW TRANSF	47uH K
D958 D959 D961 D970 D980 D981 D983	MA8068/M/-X MA111-X MTZJ22B-T2 MA8030/H/-X 1SR35-400A-T2 MA111-X 1SR35-400A-T2	CHIP ZENER DIODE SI DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE		CN001 CN002 CN003 CN007 CN008 △CP934	QGB1506M1-16 QGB1506M1-16 QGB1506M1-16 QGB1506L1-16 QGB1506L1-16 ICP-N70-T	CONNECTOR CONNECTOR CONNECTOR CONNECTOR CONNECTOR IC PROTECTOR	B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16) B-B (1-16) 2.5A
△C801 △C802 △C803 △C903 △C904 △C906 △C907 △C908 C912 C913 C914 C916 C917 C918 C919 C920 C930 C931 C932 C934 C935 C937 C943	QFZ9072-104 QFZ9072-104 QFZ9072-104 NCB31HK-221X QCZ9054-102 QCZ9054-102 QCZ9054-102 QCZ9054-102 QCZ9054-102 QCZ0340-332 QETN1HM-105Z QETN1HM-226Z QCS31HJ-331Z QFN31HJ-332Z QFVF1HJ-104Z QFP32GJ-103 NCB31HK-104X QCS31HJ-181Z QEZ0203-227 QETM1VM-108Z QETM1VM-228 QETM1VM-108Z QCZ0340-152 QCZ0340-152 QCZ0340-152	MM CAPACITOR MM CAPACITOR MM CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR MC CAPACITOR MC CAPACITOR MF CAPACITOR MF CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR	0.1uF AC250V K 0.1uF AC250V K 0.1uF AC250V K 220pF 50V K 1000pF AC250V Z 1000pF AC250V Z 1200uF 200V M 1000pF AC250V Z 3300pF AC250V Z 3300pF 50V J 3300pF 50V J 3300pF 50V J 0.1uF 50V M 0.1uF 50V J 0.1uF 50V S 180pF 50V J 220uF 160V M 220uF 35V M 220uF 35V M 2200uF 35V M 1500pF 2kV K	△CP936 △CP941 △CP942 △CP943 △F801 △F805 △FR915 H901 H911 H936 H940 K914 K930 K931 K932 K935 K937 K938 △LF801 △LF802 △PC811 △PC921 △RY952 △VA801	ICP-N70-T ICP-N70-T ICP-N70-T ICP-N70-T ICP-N20-Y QMF61U1-7R0-S QMF2049-5R0Z-E QR29017-470 LC30171-001A LC31211-001A CM42862-00J-H CEHT11B-002QS QQR0582-001Z QQR0621-002Z QQR1407-001 PS2581AL1/QW/ PS2581AL1/QW/ PS2581AL1/QW/ QSK0083-001 QAF0060-621	IC PROTECTOR IC PROTECTOR IC PROTECTOR IC PROTECTOR FUSE FUSE FUSI RESISTOR HEAT SINK/FE-P/ HEAT SINK/AL-F/ HEAT SINK FERRITE BEADS LINE FILTER LINE FILTER PHOTO COUPLER PHOTO COUPLER PHOTO COUPLER RELAY VARISTOR	2.5A 2.5A 800mA 7A AC125V 5A 125V 47Ω 1/4W J
C945 C954 C955	QETM1HM-108 QETN1HM-226Z NCB21AK-105X	E CAPACITOR E CAPACITOR C CAPACITOR	1000uF 50V M 22uF 50V M 1uF 10V K	FRONT	CONTROL P.W	V. BOARD ASS'Y ((SRP0L012A-M2)
C962 ▲C993 ▲C994	QETN1VM-477Z QCZ9078-222 QCZ9078-222	E CAPACITOR C CAPACITOR C CAPACITOR	470uF 35V M 2200pF AC250V M 2200pF AC250V M	Ref No.	Part No.	Part Name	Description Local
∆ C995 ∆ C997	QCZ9078-222 QCZ9078-222	C CAPACITOR C CAPACITOR	2200pF AC250V M 2200pF AC250V M	IC0703	BA05FP-X	IC	
∆ C998 ∆ C999	QCZ9078-222 QCZ9078-222	C CAPACITOR C CAPACITOR	2200pF AC250V M 2200pF AC250V M	Q0701 Q0702	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR	
ÆR801 R812 R813 R814 R815 R816 R818 R901 R911 R911	QRZ9041-275 QRE121J-104Y QRE121J-104Y NRSA63J-223X NRSA63J-223X NRSA63J-0R0X NRSA63J-223X QRF154K-R51 QRE121J-152Y QRL029J-393 QRT029J-R15	C RESISTOR C RESISTOR C RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR UNF WW RESISTOR C RESISTOR OMF RESISTOR MF RESISTOR	$\begin{array}{c} 2.7 M\Omega \ 1/2 W \ K \\ 100 k\Omega \ 1/2 W \ J \\ 100 k\Omega \ 1/2 W \ J \\ 22 k\Omega \ 1/16 W \ J \\ 22 k\Omega \ 1/16 W \ J \\ 0\Omega \ 1/16 W \ J \\ 22 k\Omega \ 1/16 W \ J \\ 22 k\Omega \ 1/16 W \ J \\ 0.51 \Omega \ 15 W \ K \\ 1.5 k\Omega \ 1/2 W \ J \\ 39 k\Omega \ 2 W \ J \\ 0.15 \Omega \ 2 W \ J \\ \end{array}$	D0402 D0403 D0404 D0405 D0406 D0701 D0703 D0704 D0735	MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X SELU5D20C-S MA8068-X MA8068-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE Z DIODE Z DIODE LED Z DIODE LED Z DIODE Z DIODE Z DIODE Z DIODE	POWER
R913 R917	QRT029J-R18 QRK126J-102X	MF RESISTOR UNF C RESISTOR	0.18Ω 2W J 1kΩ 1/2W J	C0442 C0443	QETN1HM-105Z QETN1HM-105Z	E CAPACITOR E CAPACITOR	1uF 50V M 1uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local
C0444 C0445 C0446 C0710 C0711 C0712	QETN1HM-106Z QETN1HM-106Z QFLC1HJ-103Z QETN1VM-476Z QETN1CM-336Z NCB31CK-104X	E CAPACITOR E CAPACITOR M CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR	10uF 50V M 10uF 50V M 0.01uF 50V J 47uF 35V M 33uF 16V M 0.1uF 16V K
R0401 R0402 R0403 R0404 R0405 R0413 R0414 R0415 R0706 R0707 R0708 R0711 R07112 R0732 R0748 R0749 R0750 R0750	NRSA63J-750X NRSA63J-224X NRSA63J-750X NRSA63J-750X NRSA63J-750X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-102X NRSA63J-103X NRSA63J-103X NRSA63J-682X NRSA63J-333X NRSA63J-333X NRSA63J-333X NRSA63J-562X NRSA63J-153X NRSA63J-153X	MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J 220kΩ 1/16W J 75Ω 1/16W J 75Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 33kΩ 1/16W J 35kΩ 1/16W J 35kΩ 1/16W J 35kΩ 1/16W J 15kΩ 1/16W J
J0401 S0701 S0702 S0703 S0704 S0705 S0706 S0707	QNZ0438-001 QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z QSW0619-003Z	AV JACK TACT SWITCH	S/V/L/R IN POWER MENU CH- CH+ VOL- VOL+ SUPER FOCUS

MI-COM & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP0D001A-M2	MI-COM & DIST MODULE PWB		

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K012A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP0K012A-M2	DIGITAL CONVERGENCE MODU	JLE PWB	

PRINTED WIRING BOARD PARTS LIST [AV-56WP55/H]

MAIN P	.W. BOARD AS	SS'Y (SRP-1013A-M2)		⚠Ref No.	Part No.	Part Name	Description Loca
ÆRef No.	Part No.	Part Name	Description Local	D1596	MA8100/M/-X	Z DIODE	
104404	1 70050D	10		D1667	MA111-X	SI DIODE	
IC1101 IC1140	L7805CP CXA2205Q-X	IC IC		D1668	MA111-X MA111-X	SI DIODE SI DIODE	
IC1140	TA1318N	IC		D1669 D1702	MA111-X	SI DIODE SI DIODE	
IC1212	SN74AHC2G08T-X	IC		D1703	MA111-X	SI DIODE	
IC1301	AN15852A	iC		D1704	MA8100/M/-X	Z DIODE	
IC1501 IC1502	CXA2069Q M62320FP-X	IC IC		D1705 D1712	MA8100/M/-X	Z DIODE SI DIODE	
IC1502	PQ033RD01SZ	IC		D1712 D1802	MA111-X MA111-X	SI DIODE SI DIODE	
IC1661	AN5277	IC		D1895	MA8082/M/-X	Z DIODE	
IC1703	AT24C128-48WP55	IC	(SERVICE)	D1896	MA8082/M/-X	Z DIODE	
IC1802 IC1941	BA033T PQ1CG21H2FZ	IC IC		D1897 D1898	MA8051/M/-X MA8051/M/-X	Z DIODE Z DIODE	
IC1942	SI-8050JD-W	IC		D1030	EC31QS04-X	SB DIODE	
IC1943	PQ1CY1032Z-W	IC IC IC		D1948	EC31QS04-X	SB DIODE	
IC1981 IC1991	PQ070XZ01Z-X PQ12RD11	IC IC		D1949 D1962	EC31QS04-X MA3030/H/-X	SB DIODE Z DIODE	
IC1993	MM1565AF-X	IC		D1962 D1964	MA111-X	SI DIODE	
IC3001	MN82832	IC		D1965	MA111-X	SI DIODE	
IC3002	R1170H331B-X	IC		D1967	PTZ6.8B-X	Z DIODE	
Q0701	2SK2090-X	MOS FET		D1968 D1969	PTZ3.9B-X PTZ11B-X	Z DIODE Z DIODE	
Q0702	2SK2090-X	MOS FET		D1981	MA111-X	SI DIODE	
Q1101	2SA1530A/QR/-X	TRANSISTOR		D1991	MA111-X	SI DIODE	
Q1102 Q1232	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D1993 D2101	MA111-X MA8100/M/-X	SI DIODE Z DIODE	
Q1252	2SA1530A/QR/-X	TRANSISTOR		D2101	MA8100/M/-X	Z DIODE Z DIODE	
Q1253	2SC3928A/QR/-X	TRANSISTOR		D2201	MA8100/M/-X	Z DIODE	
Q1254	2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D2204	MA8100/M/-X	Z DIODE	
Q1255 Q1301	2SC3928A/QR/-X 2SC3837K/NP/-X	TRANSISTOR		D2205 D2206	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1302	2SC3837K/NP/-X	TRANSISTOR		D2209	MA8100/M/-X	Z DIODE	
Q1303	2SC3837K/NP/-X	TRANSISTOR		D2210	MA8100/M/-X	Z DIODE	
Q1401 Q1511	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		D2212 D2213	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1531	2SC3928A/QR/-X	TRANSISTOR		D2215	MA8100/M/-X	Z DIODE	
Q1668	UN2213-X	DIGI TRANSISTOR		D2216	MA8100/M/-X	Z DIODE	
Q1669 Q1671	2SC3928A/QR/-X UN2213-X	TRANSISTOR DIGI TRANSISTOR		D2217 D2218	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1672	2SC3928A/QR/-X	TRANSISTOR		D2210	MA8100/M/-X	Z DIODE	
Q1673	2SA1530A/QR/-X	TRANSISTOR		D2402	MA8100/M/-X	Z DIODE	
Q1674 Q1712	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		D2404	MA8100/M/-X	Z DIODE	
Q1712 Q1713	2SC2785/JH/-T	SI TRANSISTOR		D2421 D2422	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE	
Q1714	2SA1530A/QR/-X	TRANSISTOR		22.22		23.032	
Q1961 Q1962	2SC3928A/QR/-X	TRANSISTOR		C1101	QETN1CM-477Z	E CAPACITOR	470uF 16V M
Q1962 Q1964	2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR TRANSISTOR		C1102 C1103	QETN1CM-107Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	100uF 16V M 10uF 50V M
Q1965	UN2213-X	DIGI TRANSISTOR		C1111	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
Q1966	UN2213-X	DIGI TRANSISTOR		C1140	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
Q1967 Q1981	UN2213-X 2SC4682-T	DIGI TRANSISTOR TRANSISTOR		C1141 C1144	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
Q1984	2SC4682-T	TRANSISTOR		C1145	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
Q3001	2SC3928A/QR/-X	TRANSISTOR		C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
Q3002 Q3003	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1147	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M 0.1uF 25V K
Q3003 Q3004	2SC3928A/QR/-X	TRANSISTOR		C1148 C1149	NCB31EK-104X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K
Q3005	2SC3928A/QR/-X	TRANSISTOR		C1150	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
Q3006	2SA1530A/QR/-X	TRANSISTOR		C1151	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
Q3007 Q3501	2SA1530A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1152 C1153	QENC1HM-475Z NCB31HK-562X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 5600pF 50V K
Q3502	2SC3928A/QR/-X	TRANSISTOR		C1154	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
Q3505	2SA1530A/QR/-X	TRANSISTOR		C1155	QETN1HM-105Z	E CAPACITOR	1uF 50V M
Q3506 Q3509	2SC3928A/QR/-X 2SA1530A/QR/-X	TRANSISTOR TRANSISTOR		C1156 C1157	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
Q3510	2SC3928A/QR/-X	TRANSISTOR		C1158	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
				C1159	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D1093 D1140	MA8082/M/-X MA8100/M/-X	Z DIODE Z DIODE		C1160	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1140 D1141	MA8100/M/-X	Z DIODE Z DIODE		C1161 C1162	QETN1HM-475Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	4.7uF 50V M 4.7uF 50V M
D1145	MA8082/M/-X	Z DIODE		C1163	NCB31HK-272X	C CAPACITOR	2700pF 50V K
D1146	MA8082/M/-X	Z DIODE		C1164	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
D1251 D1252	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE		C1165 C1166	QETN1HM-335Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	3.3uF 50V M 4.7uF 50V M
D1252 D1253	MA111-X	SI DIODE		C1166	QETN1HM-106Z	E CAPACITOR	10uF 50V M
D1301	MA8100/M/-X	Z DIODE		C1168	QETN1HM-105Z	E CAPACITOR	1uF 50V M
D1302	MA8100/M/-X	Z DIODE		C1169	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
D1305 D1306	MA8100/M/-X MA8100/M/-X	Z DIODE Z DIODE		C1170 C1171	QENC1HM-475Z NCF31CZ-104X	BP E CAPACITOR C CAPACITOR	4.7uF 50V M 0.1uF 16V Z
D1401	MA111-X	SI DIODE		C1172	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
D1402	UDZS5.1B-X	Z DIODE		C1213	QETN1CM-107Z	E CAPACITOR	100uF 16V M
D1403 D1513	MA111-X MA111-X	SI DIODE SI DIODE		C1214 C1215	QETN1HM-225Z QFLC1HJ-103Z	E CAPACITOR M CAPACITOR	2.2uF 50V M 0.01uF 50V J
סוטום	W////////	SI DIODE		01213	Q1 L0 11 10 - 100Z	M OULVOLLOW	O.O.IUI JUV J

CLIEB MORTICZ-4TSM C CAPACITOR	⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
CLEAP CLEA								1000uF 25V M
C1950 C195	C1219		C CAPACITOR	4.7uF 16V Z	C1679	QETN1HM-475Z		
CLESS GERNIHM-1002 E CAPACITOR 1.6 90 M CLESS GERNIHM-1002 E CAPACITOR 47.6 25 M GERNIHM-1002 E CAPACITOR			C CAPACITOR	18pF 50V J			E CAPACITOR E CAPACITOR	4.7uF 50V M
C1029 GETH GA-1072 E CAPACITOR 900-F89'M C1712 OETH AND 2277 E CAPACITOR 220-F89'M C1702 OETH AND 2277 E CAPACITOR 470-F89'M C1702 OETH AND 2277 E CAPACITOR 470-F89'M C1026 NC8310K-108K CAPACITOR 0.111-F89'K C184 C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 E CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-1032 CAPACITOR 470-F89'M C1026 NC831K-103K CAPACITOR 0.111-F89'K C184 CERTIFOR-103K-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 CERTIFOR-103K C184 C184 CERTIFOR-103K C184 C1	C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1697	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1500 GETNING-HOUZE CAPACITOR OLD FISYM C1600 GETNING-HOZE CAPACITOR AFE-589 M OLD FISYM GETNING-HOZE CAPA	C1301 C1302				C1702 C1712			1uF 16V K 220uF 10V M
C1030 MCBRICK-108X C.CARACTOR D. I.F. 99 K C144 CERTIVIVA-1772 E.CARACTOR J. 104 29 K C1030 CERTIVICAL 1002 C.CARACTOR D. I.F. 99 K C144 CERTIVIVA-1772 E.CARACTOR J. 104 29 K C1030 MCBRINK-103X C.CARACTOR D. 014 E39 K C144 CERTIVIVA-1772 C.CARACTOR J. 104 29 K C145 C.CARACTOR J. 104 C.CA	C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1806	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1989 NCBSIGN-198X CAPACTOR 0.1 199 K C1942 OETNICH-198Z CAPACTOR 0.0 199 K C1949 OETNICH-198Z CAPACTOR 0.0 199	C1304 C1305		C CAPACITOR C CAPACITOR					
C1898 NC89114-103X	C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1942	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1391 NG891H4-103X	C1307 C1308	QETN1CM-106Z NCB31HK-103X		10uF 16V M 0.01uF 50V K		NCB31EK-104X OFTN1VM-4777	C CAPACITOR F CAPACITOR	0.1uF 25V K 470uF 35V M
C1313 NGESTICK-1985 C-CAPACITOR	C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1945	QEZ0256-128	E CAPACITOR	1200uF 10V M
C1322 N.C32116-1035 C.C4PACTOR								
C1329 NCB3184-103X C CAPACITOR	C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K			E CAPACITOR	
C1329 MCG21CX-195X C CAPACITOR 10-16-16-X C C1951 GEDWAM-477. E CAPACITOR 2100-17-10-X C C1325 MCG21CX-195X C CAPACITOR 100-16-X C C1952 MCG21CX-195X C CAPACITOR 100-16-X C C1952 MCG21SH-101X C C195	C1323		C CAPACITOR	0.01uF 50V K	C1950	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1329 MDC31H-101X C CAPACITOR 100F 50V J C 1685 MESSIK-103X C CAPACITOR 102V M C 1685 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1681 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1685 MESSIK-103X C CAPACITOR 0 UP 50V K C 1684 MESSIK-103X C CAPACITOR 0 UP 50V K C 1685 MESSIK-103X C CAPACITOR 0 UP	C1324			1uF 16V K			E CAPACITOR	
C1329 NDC31H-101X C CAPACITOR 10pf-80V J C1956 NCB31EK-104X C CAPACITOR 0.1 br 50V K 1 c1950 NC C1331 NCB21CK-105X C CAPACITOR 0.1 br 16V K C 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1964 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 NC 1965 OETNIJAH-1032 C CAPACITOR 100bb 90 V C 1965 OETNIJAH-1032 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965 OETNIJAH-1042 C CAPACITOR 2 2bb 16V K C 1965	C1326	NDC31HJ-101X	C CAPACITOR C CAPACITOR	100pF 50V J	C1953	QEZ0250-126 QETN0JM-228Z	E CAPACITOR E CAPACITOR	2200uF 6.3V M
C1393 NG281HH-103X C CAPACITOR 0.016-50 W C C1891 DETNICK-1072 E CAPACITOR 10.06-19 W M C1392 NG281HH-103X C CAPACITOR 0.016-50 W C C1892 NG281HH-103X C CAPACITOR 0.016-50 W C C1892 NG281HH-103X C CAPACITOR 0.016-50 W C C1894 NG281HH-103X C CAPACITOR 0.016-50 W C C1895 NG281HH-103X C CAPACITOR 0.016-50 W C C1894 NG281HH-103X C C	C1327							0.1uF 25V K
C1332 NCB31H-103X C CAPACITOR	C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1981	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1394 NCB31H4-103X C CAPACITOR 1U-16V K C1991 QETMEM-107Z E CAPACITOR 100-16V M C1344 NCB31H5-103X C CAPACITOR 1U-16V K C1992 QETMICM-17Z E CAPACITOR 100-16V M C1344 NCB31H5-103X C CAPACITOR 100-16V M C1995 NCB 11CK-225X C CAPACITOR 2.2 L16V K C1995 NCB11CK-225X C CAPACITOR 3.0 L16	C1331 C1332							
C1391 M.CB31H4-193X C CAPACITOR 0.01LE 50V K C1995 N.CB11CK-225X C CAPACITOR 2.2LE 16V K C1395 N.CB31H4-193X C CAPACITOR 0.01LE 50V K C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2016 N.CB31H4-103X C	C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1991	QETN1EM-107Z	E CAPACITOR	100uF 25V M
C1391 M.CB31H4-193X C CAPACITOR 0.01LE 50V K C1995 N.CB11CK-225X C CAPACITOR 2.2LE 16V K C1395 N.CB31H4-193X C CAPACITOR 0.01LE 50V K C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2014 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C1395 N.CB31H4-103X C CAPACITOR 0.01LE 50V M C2016 N.CB31H4-103X C	C1341 C1342							
C1393 NCB31HK-103X C CAPACITOR 0.01u-50V K C2103 QETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-122X C CAPACITOR 10u-50V M C2105 NCB11K-122X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-102X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 2.2u-16V K C1371 QETN1M-106Z E CAPACITOR 3.u-16V K C13	C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1995	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1393 NCB31HK-103X C CAPACITOR 0.01u-50V K C2103 QETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-122X C CAPACITOR 10u-50V M C2105 NCB11K-122X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2105 NCB11K-102X C CAPACITOR 2.2u-16V K C2105 NCB11K-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2124 OETN1HM-106Z E CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 10u-50V M C1395 NCB31HK-103X C CAPACITOR 0.01u-50V K C2127 NCB11K-225X C CAPACITOR 2.2u-16V K C1371 QETN1M-106Z E CAPACITOR 3.u-16V K C13	C1351 C1352		C CAPACITOR C CAPACITOR				C CAPACITOR C CAPACITOR	
C1395 NCB31HK-103X C CAPACITOR 0.01L 50V K C2105 NCB11CK-225X C CAPACITOR 2.2LF 16V K C1392 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 0.01LF 50V K C2123 NCB31HK-103X C CAPACITOR 1.0LF 50V K C2124 NCB31HK-103X C CAPACITOR 1.0LF 50V M C2125 NCB31HK-103X C CAPACITOR 1.0LF 50V M C2125 NCB31HK-103X C CAPACITOR 1.0LF 50V M NCB31HK-103X C CAPACITOR 3.0LF 16V M C2125 NCB31HK-103X C CAPACITOR 3.0LF 16V M NCB31HK-103X NCB31HK-103X C CAPACITOR 3.0LF 16V M NCB31HK-103X NCB31	C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K		QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1392 NCB31HK-103X C CAPACITOR 0.01uF 50V K C2124 NCB31HK-103X C CAPACITOR 1.0uF 50V M C2124 QETN1HM-106Z E CAPACITOR 1.0uF 50V M C1364 NCB31HK-103X C CAPACITOR 0.01uF 50V K C212* QETN1HM-106Z E CAPACITOR 1.0uF 50V M C212* QETN1HM-106Z E CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 1.0uF 50V M C212* NCB11CK-22X C CAPACITOR 2.2uF 16V K C214* NCB11CK-22X C CAPACITOR 3.3uF 16V M C212* NCB21CK-105X C CAPACITOR 3.3uF 16V M C212* NCB21CK-105X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X C CAPACITOR 1.1uF 16V K C214* NCB11CK-22X NCB21CK-105X C CAPACITOR 1.1uF 16V K NCB11CK-105X NCB	C1355		C CAPACITOR C CAPACITOR				C CAPACITOR	
C1393 NCB31HK-103X C CAPACITOR	C1361		C CAPACITOR				C CAPACITOR	
C1395 (C1371) CAPACITOR 2.22F 16V K C2127 NCBHICK-225X C CAPACITOR 2.22F 16V K C1372 NCBHICK-25X C CAPACITOR 2.22F 16V K C1372 NCBHICK-26X C CAPACITOR 3.32F 16V M C2128 NCBHICK-25X C CAPACITOR 10LF 50V M C1381 CAPACITOR 10LF 50V M C2144 NCBHICK-25X C CAPACITOR 10LF 50V M C1381 CAPACITOR 2.22F 16V K C1381 CAPACITOR 10LF 50V M C2145 NCBHICK-25X C CAPACITOR 2.22F 16V K C1382 NCBHICK-10AX C CAPACITOR 0.1LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 50V M C2145 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1381 CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 2.2LF 16V K C1382 NCBHICK-10AX C CAPACITOR 10LF 16V K C2146 NCBHICK-25X C CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 3.3LF 16V M C2146 CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 3.3LF 16V M C2146 CAPACITOR 10LF 16V K C2146 NCBHICK-16X C CAPACITOR 150LF 16V K	C1363	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1371 QETNICM-3382 E CAPACITOR 33U-16V M C2128 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1341 QETNICM-3362 E CAPACITOR 33U-16V M C2145 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1381 QETNICM-3362 E CAPACITOR 33U-16V M C2145 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1381 QETNICM-3362 E CAPACITOR 33U-16V M C2146 NCB1ICK-225X C CAPACITOR 2.2LF16V K C1391 QETNICM-3362 E CAPACITOR 33U-16V M C2020 NCB2ICK-105X C CAPACITOR 1.2LF16V K C1391 QETNICM-3362 E CAPACITOR 33U-16V M C2020 NCB2ICK-105X C CAPACITOR 1LF16V K C1392 NCB2ICK-105X C CAPACITOR 1LF16V K C1393 QETNIAM-1052 E CAPACITOR 1000U-10V M C2222 NCB2ICK-105X C CAPACITOR 1LF16V K C1403 QETNIAM-1052 E CAPACITOR 1000U-10V M C2222 NCB2ICK-105X C CAPACITOR 1LF16V K C1404 QETNIAM-1052 E CAPACITOR 1000U-10V M C2022 NCB2ICK-105X C CAPACITOR 1LF16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3001 QENCIAM-3052 BP E CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-105X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-105X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 1000U-10V M C3002 NCB2ILK-15X C CAPACITOR 3U-16V K C1405 QETNIAM-1052 E CAPACITOR 10U-16V K C3004 NCB3ILK-15X C CAPACITOR 15U-16V K C3004	C1364 C1365		C CAPACITOR	0.01uF 50V K				10uF 50V M 2 2uF 16V K
C1381 GETM1CM-3362 E CAPACITOR 33UF 16V M C2145 NCB11CK-225X C CAPACITOR 2.2DF 16V K C1391 GETM1CM-3362 E CAPACITOR 33UF 16V M C2302 NCB21CK-105X C CAPACITOR 1UF 16V K C1391 GETM1CM-3362 E CAPACITOR 33UF 16V M C2302 NCB21CK-105X C CAPACITOR 1UF 16V K C1392 NCB21CK-105X C CAPACITOR 1UF 16V K C1403 GETM1AM-108Z E CAPACITOR 100UF 10V M C2322 NCB21CK-105X C CAPACITOR 1UF 16V K C1403 GETM1AM-108Z E CAPACITOR 100UF 10V M C2322 NCB21CK-105X C CAPACITOR 1UF 16V K C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3001 GENC1AM-336Z BF E CAPACITOR 1UF 16V K C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3001 GENC1AM-336Z BF E CAPACITOR 33UF 10V M C1405 GETM1AM-108Z E CAPACITOR 100UF 10V M C3002 NCS1HU-15TX C CAPACITOR 150P 56V J C1409 GETM1AM-108Z E CAPACITOR 10UF 50V M C3003 NDC31HU-15TX C CAPACITOR 150P 56V J C1410 GETM1AM-108Z C CAPACITOR 10UF 50V M C3003 NDC31HU-15TX C CAPACITOR 150P 56V J C1411 NCB31CK-104X C CAPACITOR 0.1UF 16V K C3004 NCS1HU-15TX C CAPACITOR 15P 56V J C1411 NCB31CK-104X C CAPACITOR 0.1UF 16V K C3004 NCS1HU-15TX C CAPACITOR 0.1UF 16V Z C1415 NCB31K-103X C CAPACITOR 0.1UF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1UF 16V Z C1415 NCB31K-103X C CAPACITOR 0.1UF 50V K C3005 NCF11CZ-476X C CAPACITOR 0.1UF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCF11CZ-104X C CAPACITOR 0.1UF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-343X C CAPACITOR 0.33UF 10V K C1416 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-34X C CAPACITOR 0.33UF 10V K C1417 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-151X C CAPACITOR 150P 56V J C1417 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3005 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3015 NCB31K-104X C CAPACITOR 0.01UF 60V K C3	C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1382 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C2146 NCB11CK-225X C CAPACITOR 12-2 LIP 16V K C1392 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C2302 NCB21CK-105X C CAPACITOR 11-1 16V K C1392 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C2303 NCB21CK-105X C CAPACITOR 11-1 16V K C1403 CETN14M-108Z E CAPACITOR 1000LIP 10V M C2322 NCB21CK-105X C CAPACITOR 11-1 16V K C1404 CETN14M-108Z E CAPACITOR 1000LIP 10V M C2323 NCB21CK-105X C CAPACITOR 11-1 16V K C1404 CETN14M-108Z E CAPACITOR 1000LIP 10V M C3001 CENT-14M-303C BF CAPACITOR 310-1 10V M C1406 CETN14M-108Z E CAPACITOR 1000LIP 10V M C3001 CENT-14M-15X C CAPACITOR 310-1 10V M C1406 CETN14M-108Z E CAPACITOR 1000LIP 10V M C3002 NDC31+LI-151X C CAPACITOR 120p 59V J C1410 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C3003 NDC31+LI-151X C CAPACITOR 120p 59V J C1410 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C3004 NDC31+LI-150X C CAPACITOR 15p 59V J C1411 NCB31CK-104X C CAPACITOR 0.1 LIP 16V K C3005 NCF12C-247S CAPACITOR 4.7 LIP 16V Z C1412 CETN0JM-228Z E CAPACITOR 2200LF 6.3 V M C3006 NCF31CZ-104X C CAPACITOR 0.3 LIP 16V Z C1416 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1416 CETN1LM-476Z E CAPACITOR 47LF 25V M C3009 NDC31+LI-151X C CAPACITOR 0.3 LIP 16V Z NC C1416 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1416 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1416 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1417 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1418 NCB31HK-103X C CAPACITOR 0.3 LIP 16V Z NC C1518 NCB31HK-103X C CAPACITOR 0.	C1372 C1381							
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C1403 QETN1AM-108Z E CAPACITOR 1000uF 10V M C2323 NCB21CK-105X C CAPACITOR 1UF 16V K C1405 QETN1AM-108Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-366Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-366Z BC PE CAPACITOR 150pF 50V J C1406 QETN1AM-108Z E CAPACITOR 1000uF 10V M C3001 QENC1AM-336Z BP E CAPACITOR 33uF 10V M C1406 QETN14M-108Z E CAPACITOR 100uF 10V M C3002 NCB31HJ-151X C CAPACITOR 150pF 50V J C1409 QETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31HJ-150X C CAPACITOR 150pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 150pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 10V K C1416 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 10V K C1416 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 QETN1EM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 150pF 50V J C1412 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 150pF 50V J C1412 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HJ-150X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NDC31HJ-150X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QENC1CM-108Z BP E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C3014 QETN1CM-072 E CAPACITOR 0.1uF 16V Z C1510 QENC1CM-108Z BP E CAPACITOR 0.1uF 16V X C3015 NCB31HK-10	C1391 C1392				C2303			
C1405 GETN14M-108Z E CAPACITOR 1000uF 10V M C3001 GENC1AM-336Z BP E CAPACITOR 33uF 10V M C1406 GETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 150pF 50V J C1409 GETN14M-108Z E CAPACITOR 100uF 50V M C3003 NDC31HJ-151X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31HJ-151X C CAPACITOR 15pF 50V J C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 4.7uF 16V Z C1412 GETN01M-228Z E CAPACITOR 0.1uF 16V K C3005 NCF11CZ-476X C CAPACITOR 4.7uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.1uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 16V Z C1416 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.3uF 16V X C1416 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HL-121X C CAPACITOR 150pF 50V J C1418 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HL-150X C CAPACITOR 150pF 50V J C1421 QETN1EM-476Z E CAPACITOR 47uF 28V M C3010 NDC31HL-150X C CAPACITOR 150pF 50V J C1421 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1422 QETN1EM-476Z E CAPACITOR 47uF 28V M C3011 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-108Z BP E CAPACITOR 0.1uF 16V X C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1550 NCB31HK-103X C CAPACITOR 0.1uF 16V X C3018 NCF31CZ-	C1403	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	C2322	NCB21CK-105X	C CAPACITOR	1uF 16V K
C1409 QETNIHM-106Z E CAPACITOR 10uF 50V M C3003 NDC31HJ-121X C CAPACITOR 120pF 50V J C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1411 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3005 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1415 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 0.33uF 10V K C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31AK-334X C CAPACITOR 150pF 50V J C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 150pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NCF11CZ-475X C CAPACITOR 150pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1423 QETNIHM-476Z E CAPACITOR 4.7uF 50V M C3011 NCF11CZ-475X C CAPACITOR 4.7uF 16V Z C1423 QETNIHM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 4.7uF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1502 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 QETNIEM-476Z E CAPACITOR 0.1uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1503 NCF31CZ-104X C C	C1405	QETN1AM-108Z			C3001			
C1410 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3004 NDC31H-150X C CAPACITOR 15pF 50V J					C3002			
C1412 QETNOLM-228Z E CAPACITOR 2200uF 6.3V M C3006 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1416 QETNIEM-476Z E CAPACITOR 0.01uF 50V K C3007 NCB31HA-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3008 NDC31HJ-151X C CAPACITOR 120pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3010 NDC31HJ-151X C CAPACITOR 120pF 50V J C1418 QETNIEM-476Z E CAPACITOR 100uF 10V M C3011 NDC31HJ-151X C CAPACITOR 15pF 50V J C1421 QETNIAM-108Z E CAPACITOR 100uF 10V M C3011 NDC31HJ-150X C CAPACITOR 4.7uF 16V Z C1421 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 4.7uF 16V Z C1421 QETNIEM-476Z E CAPACITOR 4.7uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETNIEM-476Z E CAPACITOR 0.1uF 16V X C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3016 NCF31CZ-104X C C	C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3004		C CAPACITOR	15pF 50V J
C1415 NCB31HK-103X C CAPACITOR 0.01uF 50V K C300R NCB31AK-334X C CAPACITOR 0.33uF 10V K C1416 DCFTN1EM4762 E CAPACITOR 0.01uF 50V K C3008 NDC31HJ-151X C CAPACITOR 150pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 120pF 50V J C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-151X C CAPACITOR 120pF 50V J C1412 QETN14M-476Z E CAPACITOR 47uF 25V M C3010 NDC31HJ-150X C CAPACITOR 1.5pF 50V J C1421 QETN14M-476Z E CAPACITOR 47uF 50V M C3011 NCF11CZ-475X C CAPACITOR 0.1uF 16V Z C1423 QETN14M-476Z E CAPACITOR 47uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1424 QETN14M-476Z E CAPACITOR 47uF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 QETN14M-476Z E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENC1CM-166Z BP E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENC1CM-476Z E CAPACITOR 1.0uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1513 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1513 NCB31CK-104X C CAPACITOR 0.1uF 16V X C1531 NCB31CK-104X C CAPACITOR 0.1uF 16V X C1532 QETN14M-475Z BP E CAPACITOR 0.1uF 16V X C3019 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1530 QENC1HM-475Z BC CAPACITOR 0.1uF 16V X C1530 NCB31HK-103X C CAPACITOR 0.1uF 16V X C1530 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.01uF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3020 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NC	C1411 C1412	NCB31CK-104X OFTN0.IM-2287	C CAPACITOR F CAPACITOR			NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	
C1417 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3009 NDC31HJ-121X C CAPACITOR 120pF 50V J C1421 QETN1AM-476Z E CAPACITOR 100uF 10V M C3010 NDC31HJ-150X C CAPACITOR 4.7uF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3012 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3013 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 10uF 16V M C3016 NCB31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 0.1uF 16V Z C1510 QENCICM-106Z BP E CAPACITOR 0.1uF 16V X C3018 NCB31CX-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X C CAPACITOR 0.1uF 16V Z C1510 QENCICM-104X-104X-104X-104X-104X-104X-104X-104X	C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1418 QETN1EM-476Z E CAPACITOR 47UF 25V M C3010 NDC31HJ-150X C CAPACITOR 4.7UF 15V Z C1423 QETN1HM-476Z E CAPACITOR 47UF 50V M C3011 NCF11CZ-475X C CAPACITOR 4.7UF 16V Z C1423 QETN1HM-476Z E CAPACITOR 47UF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1442 QETN1EM-476Z E CAPACITOR 47UF 25V M C3013 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1502 QETN1EM-476Z E CAPACITOR 47UF 25V M C3015 NCF31CZ-104X C CAPACITOR 100UF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1510 QENC1CM-476Z E CAPACITOR 10UF 16V M C3017 QENC1CM-476Z E CAPACITOR 0.1UF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1UF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1UF 16V Z C1532 QETN1HM-26Z E CAPACITOR 0.1UF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1532 QENC1CM-475Z E CAPACITOR 22UF 50V M C3017 QENC1CM-475Z BP E CAPACITOR 0.1UF 50V K C1532 QENC1CM-475Z E CAPACITOR 0.1UF 50V M C3020 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1530 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1540 QETN1AM-107Z E CAPACITOR 100UF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1554 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 QETN1CM-106Z E CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1UF 16V Z C1557 NCB31HK-103X C	C1416 C1417						C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1423 QETN1HM-476Z E CAPACITOR 47uF 50V M C3012 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETN1CM-107Z E CAPACITOR 0.1uF 16V Z C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3018 NCF31CZ-104X C CAPACITOR 0.1uF 50V K C3018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4018 NCF31CZ-104X C CAPACITOR 0.01uF 16V Z C4	C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1442 QETN1EM-476Z E CAPACITOR 0.1uF 16V Z C3013 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1501 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C3014 QETN1CM-107Z E CAPACITOR 100uF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 10uF 16V M C3015 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1510 QETN1EM-476Z E CAPACITOR 10uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1519 QETN1EM-476Z E CAPACITOR 10uF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1519 QETN1EM-476Z E CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1uF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1532 QETN1HM-226Z E CAPACITOR 22uF 50V M C3019 NCB31HK-103X C CAPACITOR 0.0uF 50V K C1539 QENC1HM-475Z BP E CAPACITOR 4.7uF 50V M C3020 NCB31HK-103X C CAPACITOR 0.0uF 50V K C1539 QENC1HM-475Z BP E CAPACITOR 100uF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01uF 50V K C1553 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3023 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3025 NCB31HK-103X C CAPACITOR 0.1uF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3024 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1566 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1566 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1567 NCB31HK-103X C CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1569 QETN1HM-106Z E CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1569 QETN1HM-106Z E CAPACITOR 0.01uF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3030 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1669 NCB31CK-105X C CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z C1670 NCB31CK-105X C CAPACITOR 10uF 50V M C3031 NCB31CZ-10	C1421 C1423	QETN1HM-476Z					C CAPACITOR C CAPACITOR	
C1502 QETN1EM-476Z E CAPACITOR 47UF 25V M C3015 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1519 QETN1EM-476Z E CAPACITOR 10UF 16V M C3016 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1519 QETN1EM-476Z E CAPACITOR 10UF 16V M C3017 QENC1HM-475Z BP E CAPACITOR 4.7UF 50V M C3017 QENC1HM-475Z BP E CAPACITOR 0.1UF 16V Z C1531 NCB31CK-104X C CAPACITOR 0.1UF 16V K C3018 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1532 QETN1HM-226Z E CAPACITOR 22UF 50V M C3019 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1539 QENC1HM-475Z BP E CAPACITOR 4.7UF 50V M C3020 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1540 QETN1AM-107Z E CAPACITOR 100UF 10V M C3021 NCB31HK-103X C CAPACITOR 0.01UF 50V K C1553 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.01UF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1554 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3022 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3023 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1555 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3025 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1556 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1566 NCB31HK-103X C CAPACITOR 0.01UF 50V K C3026 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1566 NCB31HL-101X C CAPACITOR 0.01UF 50V M C3028 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1566 NCB31HL-101X C CAPACITOR 0.01UF 50V M C3028 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1669 NCB21CK-105X C CAPACITOR 10UF 50V M C3028 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1669 NCB21CK-105X C CAPACITOR 10UF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1669 NCB21CK-105X C CAPACITOR 10UF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C16673 QETN1HM-106Z C CAPACITOR 10UF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1UF 16V Z C1673	C1442	QETN1EM-476Z					C CAPACITOR	
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C1540 QETN14M-107Z E CAPACITOR 100 10 10 M C3021 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C1553 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3022 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1554 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3023 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1555 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3023 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1555 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3024 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1556 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3025 QETN1CM-106Z E CAPACITOR 10 F 16 V M C1557 NCB31HK-103X C CAPACITOR 0.01 F 50 V K C3025 QETN1CM-106Z E CAPACITOR 10 F 16 V Z C1579 QETN12M-476Z E CAPACITOR 0.01 F 50 V M C3027 NDC31HJ-7R0X C CAPACITOR 0.1 F 16 V Z C1667 QETN14M-106Z E CAPACITOR 10 F 50 V M C3028 NDC31HJ-7R0X C CAPACITOR 7 P F 50 V J C1668 NDC31HJ-101X C CAPACITOR 100 F 50 V J C3029 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1669 NCB21CK-105X C CAPACITOR 10 F 50 V M C3030 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1669 NCB21CK-105X C CAPACITOR 10 F 50 V M C3031 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1670 QETN14M-106Z E CAPACITOR 10 F 50 V M C3031 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1671 NDC31HJ-101X C CAPACITOR 10 F 50 V M C3031 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1672 NCB21CK-105X C CAPACITOR 10 F 50 V M C3031 NCF31CZ-104X C CAPACITOR 0.1 F 16 V Z C1673 QETN14M-477Z E CAPACITOR 10 F 50 V M C3031 NCF31CZ-104X C CAPACITOR 33 F 50 V J C1673 QETN14M-477Z E CAPACITOR 470 F 50 V M C3031 NDC31HJ-330X C CAPACITOR 56 F 50 V J C1674 QETM14M-108 E CAPACITOR 10 00 F 50 V M C3035 NDC31HJ-330X C CAPACITOR 33 F 50 V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-104X C CAPACITOR 33 F 50 V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-104X C CAPACITOR 33 F 50 V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-104X C CAPACITOR 33 F 50 V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-10 X C CAPACITOR 33 F 50 V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-10 X C CAPACITOR 0.1 F 16 V Z C3036 NCF31CZ-10 X C CAPA	C1532 C1539						C CAPACITOR C CAPACITOR	
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C1668 NDC31HJ-101X C CAPACITOR 100pF 50V J C3029 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1669 NCB21CK-105X C CAPACITOR 1uF 16V K C3030 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1670 QETN1HM-106Z E CAPACITOR 10uF 50V M C3031 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 16V Z C1671 NDC31HJ-101X C CAPACITOR 10upF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-360X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-360X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12\(\bar{u}\)F 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 10V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12\(\bar{u}\)F 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1\(\bar{u}\)F 10V J C10F 16V Z								
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C1671 NDC31HJ-101X C CAPACITOR 100pF 50V J C3032 NDC31HJ-560X C CAPACITOR 56pF 50V J C1672 NCB21CK-105X C CAPACITOR 1uF 16V K C3033 NDC31HJ-330X C CAPACITOR 33pF 50V J C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-360X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z			C CAPACITOR E CAPACITOR				C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V <i>7</i>
C1673 QETN1HM-477Z E CAPACITOR 470uF 50V M C3034 NDC31HJ-560X C CAPACITOR 56pF 50V J C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.12uF 50V J C3036 NCF31CZ-104X C CAPACITOR 0.1uF 16V Z	C1671	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C3032	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C1674 QETM1HM-108 E CAPACITOR 1000uF 50V M C3035 NDC31HJ-330X C CAPACITOR 33pF 50V J C1675 QFV21HJ-124Z MF CAPACITOR 0.1uF 16V Z 0.1uF 16V Z								
	C1674	QETM1HM-108	E CAPACITOR	1000uF 50V M	C3035	NDC31HJ-330X	C CAPACITOR	33pF 50V J
· · · · · · · · · · · · · · · · · · ·	C1675 C1676	QFV21HJ-124Z QFV21HJ-124Z	MF CAPACITOR MF CAPACITOR	0.12uF 50V J 0.12uF 50V J	C3036 C3037	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z

Ref No.	Part No.	Part Name	Description Local	ΔRef No.	Part No.	Part Name	Description Local
C3038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1218	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1219	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C3041	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3042	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1221	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1226	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3045 C3046	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K	R1228 R1229	NRSA63J-222X NRSA63J-332X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J
C3047	QETN1CM-106Z	E CAPACITOR	4700pF 50V K 10uF 16V M	R1230	NRSA63J-101X	MG RESISTOR	3.3kΩ 1/16W J 100Ω 1/16W J
C3048	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1231	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1232	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3050	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1234	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C3051	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1236	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3052	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1240	NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J
C3053 C3054	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1261 R1262	NRSA63J-152X NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J 1.5kΩ 1/16W J
C3055	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1265	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3057	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1267	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C3058	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1268	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3060	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1272	NRSA63J-562X	MG RESISTOR	
C3061	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1282	QRE141J-221Y	C RESISTOR	5.6kΩ 1/16W J 220Ω 1/4W J
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3063	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1284	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3064	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1285	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3066	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1287	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3067	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3068	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3069	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1337	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C3070	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1347	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
C3071	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3072	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3077	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	R1375	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3078	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1382	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3079	NDC31HJ-470X	C CAPACITOR	47pF 50V J	R1384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3080	QBTC1CK-106Z	TA E CAPACITOR	10uF 16V K	R1385	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3082	NDC31HJ-151X	C CAPACITOR	150pF 50V J	R1392	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3086	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1395	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
C3089	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3090	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1421	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
C3100	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1422	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3501	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1501	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3503	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1502	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
C3504	NDC31HJ-150X	C CAPACITOR C CAPACITOR	15pF 50V J 4.7uF 16V Z	R1505	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C3506 C3507	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1511 R1514	NRSA63J-332X NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1515	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3509	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1516	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3510	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1517	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3512	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1518	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3513	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3514	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1520	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3515	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1521	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3516	NDC31HJ-150X	C CAPACITOR	15pF 50V J	R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3518	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1523	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1524	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3520	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1525	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C3521	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1526 R1527	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1528	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1529	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1097	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1104	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1533	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1534	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1107	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1110	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1536	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R1537	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1538	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1140	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	R1539	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1141	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1142	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1562	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R1571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1144	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1145	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R1578	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J		NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1147	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	R1579 R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1149	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R1612	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	R1613	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1152	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1157	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1659	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

Registry	Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
Report MRSASL-122X					R3005		MG RESISTOR	
Respon MASAGL 2022X					R3006 R3007			
REFST MESHALI ALE	R1668	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J			MG RESISTOR	
R1072 GR144-3-282X UNF O RESISTOR 2.201 1494 R0014	R1670	NRSA63J-222X		0.0kΩ 1/16W J 2.2kΩ 1/16W J	R3010			
REFORM CORPORATION CONTROL OF RESISTOR 10.1 12/W J ROOTS MERSAGLIZZY MG RESISTOR 3.0.0 11/W J ROOTS MERSAGLIZZY MG RESISTOR 10.1 11/W J ROOTS MERSAGLIZZY MG RESISTOR 11.0 11/W J ROOTS MERSAGLIZZY MG	R1671				R3013	NRSA63J-333X	MG RESISTOR	
REFS CREVICAL-1002X	R1672 R1673		UNF C RESISTOR		R3014 R3015	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	
R1869 MR5463-1473X MG RESISTOR	R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R6602	R1680 R1681	NRSA63J-272X NRSA63J-473X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 47kΩ 1/16W J		NRSA63J-152X NRSA63J-102X	MG RESISTOR	1.5kΩ 1/16W J 1kΩ 1/16W J
R1690 NRS-863-1-09X	R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
REGISTOR MRSABL-104X MG RESISTOR 100LL 116W J R004 R0	R1689 R1690		MG RESISTOR		R3023	NRSA63J-473X	MG RESISTOR	
REGISTOR REGISTOR GOVERNMENT REGISTOR REGISTO	R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
REGISTOR REGISTOR GOVERNMENT REGISTOR REGISTO	R1694 R1695		MG RESISTOR		R3025 R3026	NRSA63J-223X NRSA63J-223X	MG RESISTOR	
R7701 NRSA63J-07X MG RESISTOR 00.0116W J R3009 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 470.116W J R300 NRSA63J-17X MG RESISTOR 100.0116W	R1696	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R3027	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R7702 NESAS3-101X MG RESISTOR 1004 1109 J R3000 R18AS3-101X MG RESISTOR 1004 1109 J R304 R18AS3-101X MG RESISTOR 1004 1109 J R305 R18AS3-101X MG RESISTOR					R3028 R3029		MG RESISTOR MG RESISTOR	
R1712 NRSA63-1-27X M OF RESISTOR 274,0 116W J R3404 NRSA63-1-01X M OF RESISTOR 100,0 116W J R1715 NRSA63-1-27X M OF RESISTOR 174,0 116W J R3407 NRSA63-1-02X M OF RESISTOR 100,0 116W J R3408 NRSA63-1-02X M O	R1702	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R3030	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1714 NRSA63-1-21X MC RESISTOR 12-0.110W J R3045 NRSA63-1-01X MC RESISTOR 200_110W J R1716 NRSA63-1-21X MC RESISTOR 200_110W J R3040 NRSA63-1-01X MC RESISTOR 200_110W J R3050 NRSA63-1-01X MC RESISTOR 200_110W J R3051 NRSA63-1-01X MC R505TOR 100_110W J R3051 NRSA63-1-01X MC	R1703 R1712		MG RESISTOR MG RESISTOR		R3039 R3040		MG RESISTOR MG RESISTOR	
R7115 NRSA63J-22X MG RESISTOR 4.7AQ 116W J R3047 NRSA63J-22X MG RESISTOR 20Q 116W J R7116 NRSA63J-21X MG RESISTOR 20Q 116W J R3050 NRSA63J-31X MG RESISTOR 30Q 116W J R3050 NRSA63J-31X MG RESISTOR 12Q 116W J R3050 NRSA63J-21X MG RESISTOR 20Q 116W J R3050 NRSA63J-23X MG RESISTOR 12Q 116W J R3050 NRSA63J-23X MG RESISTOR 30Q 116W J R3050 NRSA63J-23X MG RESISTOR 30Q 116W J R3050 NRSA63J-31X MG RESISTOR 30Q 116W J R3050 NRSA63J-80X MG RESISTOR 30Q 116W J R3050 NRSA63J-10X MG RESISTOR 10Q 1	R1713	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R3042	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1716			MG RESISTOR MG RESISTOR	12kΩ 1/16W J 4.7kΩ 1/16W J	R3045 R3047	NRSA63J-101X NRSA63J-221X	MG RESISTOR MG RESISTOR	
R1895 NRSA63-227X MG RESISTOR 2200.116WJ R3050 NRSA63-1633X MG RESISTOR 5860.116WJ R1895 NRSA63-227X MG RESISTOR 2200.116WJ R3051 NRSA63-123X MG RESISTOR 330.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 100.0116WJ R1895 NRSA63-127X MG RESISTOR 120.0116WJ R1895 NRSA63-127X MG RESISTOR 120.01	R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1896 NRSA631-221X MG RESISTOR 2200.116WJ R3051 NRSA631-123X MG RESISTOR 120.116WJ R1895 NRSA631-221X MG RESISTOR 2200.116WJ R3052 NRSA631-313X MG RESISTOR 120.116WJ R3058 NRSA631-123X MG RESISTOR 120.116WJ R3059 NRSA631-123X MG RESISTOR 120.		NRSA63J-472X NRSA63J-221X			R3049 R3050	NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR	
R1989 NRSAGSJ-221X MG RESISTOR 500 1/16W J R3053 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3064 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3064 NRSAGSJ-10X MG RESISTOR 1000 1/16W J R3060 NRSAGSJ-10X MG RESI	R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1999 NRSAGSJ-650X MG RESISTOR 56kD-1/16W J R3055 NRSAGSJ-10X MG RESISTOR 10kD-1/16W J R1906 NRSAGSJ-650X MG RESISTOR 56kD-1/16W J R3055 NRSAGSJ-62X MG RESISTOR 12kD-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 14kD-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 100D-1/16W J R3056 NRSAGSJ-1/10X MG RESISTOR 10D-1/16W J R305	R1897 R1898	NRSA63J-221X NRSA63J-221X			R3052 R3053	NRSA63J-331X NRSA63J-123X	MG RESISTOR MG RESISTOR	330Ω 1/16W J 12kΩ 1/16W J
R1942 NRSA83D-122X MG RESISTOR 1242 1/16W J R3059 NRSA83J-102X MG RESISTOR 1421 1/16W J R3050 NRSA83J-102X MG RESISTOR 1001 1/16W J R3050 NRSA83J-102X MG	R1899	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3054	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1943 NRSA830-123X MG RESISTOR 1242 1/16W J R3069 NRSA833-102X MG RESISTOR 1842 1/16W J R1945 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1842 1/16W J R3065 NRSA833-102X MG RESISTOR 1942 1/16W J R3065 NRSA833-102X MG	R1942				R3055 R3058			
R1946 NRSA63-102X MG RESISTOR 102 116W J R3065 NRSA63-101X MG RESISTOR 1002 116W J R1949 NRSA63-102X MG RESISTOR 102 116W J R3052 NRSA63-101X MG RESISTOR 1002 116W J R1949 NRSA63-12XX MG RESISTOR 1242 116W D R3050 NRSA63-101X MG RESISTOR 1002 116W J R3050 NRSA63-102X MG RESISTOR 10	R1943	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D	R3059	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1946 NRSA63-102X MG RESISTOR 162 116W J R3060 NRSA63-101X MG RESISTOR 1002 116W J R1990 NRSA630-822X MG RESISTOR 8.262 116W J R3090 NRSA630-822X MG RESISTOR 1002 116W J R3090 NRSA630-822X MG RESISTOR 2006 116W J R3090 NRSA630-102X MG RESISTOR 1002 116W J R3090 NRSA630-102X MG	∆\R1944 R1945				R3060 R3065		MG RESISTOR MG RESISTOR	
R1990 NRSA63D-822X MG RESISTOR 8.2kg 1/16W J R3903 NRSA63J-182X MG RESISTOR 18kg 1/16W J R3903 NRSA63J-181X MG RESISTOR 18kg 1/16W J R3903 NRSA63J-181X MG RESISTOR 18kg 1/16W J R3905 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3907 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3907 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3908 NRSA63J-102X MG RESISTOR 16kg 1/16W J R3909 NRSA63	R1946	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3066	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1952 R185A63_331X MG RESISTOR 330Ω 1/16W J R3504 R185A63_1-181X MG RESISTOR 100Ω 1/16W J R1957 R1957 R185A63_1-62X MG RESISTOR 6.8kΩ 1/16W D R3507 R185A63_1-101X MG RESISTOR 100Ω 1/16W J R1959 R1954	R1949 R1950			1.2kΩ 1/16W D 8.2kΩ 1/16W D	R3502 R3503		MG RESISTOR MG RESISTOR	100Ω 1/16W J 1 8kΩ 1/16W J
R1957 NRSA630-682X MG RESISTOR 6.8kg 1/16W D R3507 NRSA631-101X MG RESISTOR 1.00Ω 1/16W J R1961 NRSA631-102X MG RESISTOR 1.8kg 1/16W D R3508 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 2.2kg 1/16W J R3516 NRSA631-102X MG RESISTOR 0.02 1/16W J R3520 NRSA631-102X MG RESISTOR 0.02 1/16W J R3521 NRSA631-102X MG RESISTOR 0.	R1952	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1999 NRSA631-182X MG RESISTOR 1.8kg 1/16W J R3508 NRSA631-0R0X MG RESISTOR C2 \(\text{C} \) 2.7 2.7	R1953 R1957				R3505 R3507			
R1962 NRSA63J-562X MG RESISTOR 5.6kc/ 1/16W J R3511 NRSA63J-160X MG RESISTOR 00.1/16W J R1964 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3516 NRSA63J-101X MG RESISTOR 100.01 1/16W J R1964 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3518 NRSA63J-101X MG RESISTOR 100.01 1/16W J R1965 NRSA63J-22X MG RESISTOR 22kc/ 1/16W J R3519 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1966 NRSA63J-22X MG RESISTOR 8.2kc/ 1/16W J R3519 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1966 NRSA63J-102X MG RESISTOR 8.2kc/ 1/16W J R3520 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 12kc/ 1/16W J R3520 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 11kc/ 1/16W J R3523 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1968 NRSA63J-102X MG RESISTOR 11kc/ 1/16W J R3523 NRSA63J-103X MG RESISTOR 10.02 1/16W J R1971 QRT039J-R68 MF RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 3W J R3525 NRSA63J-102X MG RESISTOR 0.680, 1/16W J R1975 NRSA63J-102X MG RESISTOR 10.02 1/16W J R1978 NRSA63J-102X MG RESISTOR 1800 1/17W J R3535 NRSA63J-101X MG RESISTOR 10.02 1/16W J R1982 NRSA63J-222X MG RESISTOR 12.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 2.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 2.2 2.2 1/16W J R1982 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1982 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-222X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-12X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.02 1/16W J R1984 NRSA63J-10X MG RESISTOR 10.	R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1963 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3516 NRSA63J-600X MG RESISTOR 66Ω 1/16W J R1965 NRSA63J-102X MG RESISTOR 1kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3519 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3520 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3520 NRSA63J-162X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3521 NRSA63J-103X MG RESISTOR 1.8kΩ 1/16W J R3522 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3523 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3523 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3525 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3534 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3535 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3536 NRSA63J-103X MG RESISTOR 1.9kΩ 1/16W J R3548 NRSA63J-203X MG RESISTOR 1.9kΩ 1/16W J R3550 NRSA63J-203X MG RESISTOR 1.9kΩ 1/16W J R3550 NRSA63J-203X MG RESISTO	R1961 R1962	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR			NRSA63J-222X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	
R1965 NRSA63J-102X MG RESISTOR 14Ω 1/16W J R3519 NRSA63J-182X MG RESISTOR 18Ω 1/16W J R1967 NRSA63J-122X MG RESISTOR 12Ω 1/16W J R3521 NRSA63J-103X MG RESISTOR 16Ω 1/16W J R1968 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3521 NRSA63J-103X MG RESISTOR 16Ω 1/16W J R1969 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3525 NRSA63J-103X MG RESISTOR 2.2Ω 1/16W J R1975 NRSA63J-102X MG RESISTOR 0.60.2 3W J R3532 NRSA63J-103X MG RESISTOR 2.2Ω 1/16W J R1975 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3534 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3534 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3534 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3535 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3535 NRSA63J-102X MG RESISTOR 16Ω 1/16W J R3535 NRSA63J-181X MG RESISTOR 18Ω 1/16W J R3536 NRSA63J-182X MG RESISTOR 18Ω 1/16W J R3541 NRSA63J-182X MG RESISTOR 10Ω 1/16W J R3541 NRSA63J-182X MG RESISTOR 20Ω 1/16W J R3541 NRSA63J-182X MG RESISTOR 20Ω 1/16W J R3541 NRSA63J-182X MG RESISTOR 22Ω 1/16W J R3541 NRSA63J-182X MG RESISTOR 22Ω 1/16W J R3551 NRSA63J-182X MG RESISTOR 22Ω 1/16W J R	R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1966 NRSA63J-822X MG RESISTOR 1.2 LQ 1/16W J R3520 NRSA63J-181X MG RESISTOR 10Q.1 1/16W J R1967 NRSA63J-102X MG RESISTOR 1.2 LQ 1/16W J R3521 NRSA63J-101X MG RESISTOR 10Q.1 1/16W J R1968 NRSA63J-102X MG RESISTOR 10Q.1 1/16W J R3523 NRSA63J-102X MG RESISTOR 10Q.1 1/16W J R1969 NRSA63J-102X MG RESISTOR 10Q.1 1/16W J R1971 ORT039J-R68 MF RESISTOR 0.6 LQ 3W J R3522 NRSA63J-102X MG RESISTOR 2.2 LQ 1/16W J R1975 NRSA63J-102X MG RESISTOR 1.6 LQ 1/16W J R3534 NRSA63J-101X MG RESISTOR 68.0 1/16W J R1975 NRSA63J-102X MG RESISTOR 1.6 LQ 1/16W J R3534 NRSA63J-101X MG RESISTOR 1.6 LQ 1/16W J R1978 NRSA63J-102X MG RESISTOR 1.2 LQ 1/16W J R3535 NRSA63J-101X MG RESISTOR 1.6 LQ 1/16W J R1981 ORT125J-181X NRSA63J-102X MG RESISTOR 2.2 LQ 1/16W J R3535 NRSA63J-101X MG RESISTOR 1.6 LQ 1/16W J R1982 NRSA63D-222X MG RESISTOR 2.2 LQ 1/16W J R3537 NRSA63J-101X MG RESISTOR 100.0 1/16W J R1983 NRSA63J-22X MG RESISTOR 2.2 LQ 1/16W J R3547 NRSA63J-101X MG RESISTOR 100.0 1/16W J R1984 NRSA63J-101X MG RESISTOR 2.2 LQ 1/16W J R3548 NRSA63J-101X MG RESISTOR 2.2 LQ 1/16W J R3549 NRSA63J-101X MG RESISTOR 2.2 LQ	R1964 R1965					NRSA63J-101X NRSA63J-182X		
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R3004 NRSA63J-332X MG RESISTOR 3.3kΩ 1/16W J L1950 QQL26AK-470Z CHOKE COIL 47uH K								10u⊔ k
	R3004							

△Ref No.	Part No.	Part Name	Description Local
L1951 L1952 L1983 L3001 L3002 L3003 L3004 L3007 L3501 L3502 L3503	QQL26AK-470Z QQL26AK-470Z QRN143J-0R0X NQL092K-6R8X NQL092K-6R8X NQR0413-003X NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X	CHOKE COIL CHOKE COIL C RESISTOR COIL COIL FERRITE BEADS FERRITE BEADS MG RESISTOR COIL COIL COIL COIL	47uH K 47uH K 0Ω 1/4W J 6.8uH K 6.8uH K 0Ω 1/10W J 6.8uH K 6.8uH K 6.8uH K
CN1001 CN1002 CN1003 CN1004 H1661 H1802 J1091 J2101 J2102 J2111 J2121 K1943 K1944 LC1301 LC1302 LC1303 LC2301 LC2302 LC2303 LC2301 LC2322	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 QGC2508C1-C0 LC30145-003A CM42862-A0A QNS0242-001 QNN0628-001 QNN0628-001 QND0121-001 QNN0638-001 QRN143J-0R0X QRN143J-0R0X QRN143J-0R0X QRN199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	CONNECTOR CONNECTOR CONNECTOR CONNECTOR HEAT SINK/AL-F/ HEAT SINK ASSY 3.5 JACK PIN JACK PIN JACK PIN JACK C RESISTOR C RESISTOR EMI FILTER	B-B (1-16) B-B (1-16) B-B (1-16) (1-120) AV COMPULINK V/L IN RINLR OUT/CENTER CHIN S IN COMP-1/2 IN 0Ω 1/4W J 0Ω 1/4W J
LC2323 LC3001 LC3002 LC3003 LC3004 LC3005 LC3006 LC3007 LC3008 LC3501 LC3502 LC3503 SL1211 ATU1101 X3001	QQR1199-001 NQR0470-001X NQR0470-001X NQR0483-005X NQR0470-003X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-003X NQR0470-003X NQR0470-003X CSB503F30-T2 QAU0352-001 NAX0570-001X	EMI FILTER C RESONATOR TUNER CRYSTAL	22pF 50V +50%-20% 22pF 50V +50%-20% 100uF 25V Z 100pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20%

DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2012A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SRP0L012A-M2)

REFER TO PARTS LIST IN PAGE 3-17 FOR THIS P.W. BOARD.

MI-CON & DIST P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K013A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
MD001	SRP0K013A-M2	DIGITAL CONVERGENCE MODU	JLE PWB	

PRINTED WIRING BOARD PARTS LIST [AV-65WP55/H]

		SS'Y (SRP-1014A-	•	⚠Ref No.	Part No.	Part Name	Description Local
△Ref No. C1101 C1140 C1211 C1212 C1301 C1501 C1502 C1511 C1661 C1703 C1802 C1941 C1942 C1943 C1981 C1991 C1993 C3001	Part No. L7805CP CXA2205Q-X TA1318N SN74AHC2G08T-X AN15852A CXA2069Q M62320FP-X PQ033RD01SZ AN5277 AT24C128-65WP55 BA033T PQ1CG21H2FZ SI-8050JD-W PQ1CY1032Z-W PQ070XZ01Z-X PQ12RD11 MM1565AF-X MN82832	Part Name IC	Description Local (SERVICE)	D1596 D1667 D1668 D1669 D1702 D1703 D1704 D1705 D1712 D1802 D1895 D1896 D1897 D1898 D1947 D1948 D1949 D1962 D1964 D1965	MA8100/M/-X MA111-X MA111-X MA111-X MA111-X MA111-X MA8100/M/-X MA8100/M/-X MA111-X MA8082/M/-X MA8082/M/-X MA8082/M/-X MA8051/M/-X MA8051/M/-X EC31QS04-X EC31QS04-X EC31QS04-X MA3030/H/-X MA111-X MA111-X	Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE Z DIODE Z DIODE SI DIODE Z DIODE SB DIODE SB DIODE SB DIODE SB DIODE SB DIODE SI DIODE SI DIODE	
Q0701 Q0702 Q1101 Q1102 Q1232 Q1253 Q1254 Q1255 Q1301 Q1302 Q1303 Q1401 Q1511 Q1531 Q1668 Q1671 Q1672 Q1673 Q1674 Q1712 Q1713 Q1714 Q1961 Q1962	R1170H331B-X 2SK2090-X 2SK2090-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X UN2213-X 2SC3928A/QR/-X UN2213-X 2SC3928A/QR/-X UN2213-X 2SC3928A/QR/-X	IC MOS FET MOS FET TRANSISTOR DIGI TRANSISTOR		D1967 D1968 D1969 D1981 D1991 D1993 D2101 D2204 D2205 D2206 D2209 D2210 D2212 D2213 D2215 D2216 D2217 D2218 D2219 D2401 D2402 D2403 D2404 D2406 D2421 D2422	PTZ6.8B-X PTZ3.9B-X PTZ11B-X MA111-X MA111-X MA111-X MA8100/M/-X	Z DIODE Z DIODE Z DIODE Z DIODE SI DIODE SI DIODE SI DIODE Z DIODE	
Q1964 Q1965 Q1966 Q1967 Q1981 Q1984 Q3001 Q3002 Q3003 Q3004 Q3005 Q3006 Q3501 Q3502 Q3505 Q3505 Q3506 Q3509 Q3510	2SC3928A/QR/-X UN2213-X UN2213-X UN2213-X 2SC4682-T 2SC4682-T 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SA1530A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X 2SC3928A/QR/-X	TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR DIGI TRANSISTOR		C1101 C1102 C1103 C1111 C1140 C1141 C1145 C1146 C1147 C1148 C1149 C1150 C1151 C1152 C1153 C1153 C1154 C1155	QETN1CM-477Z QETN1CM-107Z QETN1HM-106Z NCF31CZ-104X QETN1HM-475Z QETN1HM-475Z QETN1HM-106Z NCB31HK-223X NCB31HK-472X QENC1HM-475Z NCB31EK-104X NCB31HK-472X QENC1HM-475Z NCB31EK-104X QENC1HM-475Z NCB31EK-104X QENC1HM-475Z NCB31HK-562X NCB31HK-562X NCB31HK-123X QETN1HM-105Z	E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR BP E CAPACITOR C CAPACITOR E CAPACITOR	470uF 16V M 100uF 16V M 10uF 50V M 0.1uF 16V Z 4.7uF 50V M 4.7uF 50V M 10uF 50V M 0.022uF 50V K 4700PF 50V K 4700PF 50V K 4700PF 50V K 4.7uF 50V M 0.1uF 25V K 4.7uF 50V M 0.1uF 25V K 4.7uF 50V M 0.1uF 25V K 4.7uF 50V M 5600PF 50V K
D1093 D1140 D1141 D1145 D1146 D1251 D1252 D1253 D1301 D1302 D1305 D1306 D1401 D1402 D1403 D1513	MA8082/M/-X MA8100/M/-X MA8100/M/-X MA8082/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8100/M/-X MA8111-X UDZS5.1B-X MA111-X	Z DIODE SI DIODE Z DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE SI DIODE		C1156 C1157 C1158 C1159 C1160 C1161 C1162 C1163 C1164 C1165 C1166 C1167 C1168 C1169 C1170 C1171	QETN1HM-475Z QETN1HM-106Z QETN1HM-475Z QETN1CM-107Z QENC1HM-475Z QENC1HM-475Z NCB31HK-272X NCB31HK-473X QETN1HM-335Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z QENC1HM-475Z NCF31CZ-104X NCF31CZ-104X	E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR BP E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR BP E CAPACITOR BP E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	4.7uF 50V M 10uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 2700pF 50V K 0.047uF 50V K 3.3uF 50V M 4.7uF 50V M 10uF 50V M 1uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 4.7uF 50V M 0.1uF 16V Z 0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C1213 C1214	QETN1CM-107Z QETN1HM-225Z	E CAPACITOR E CAPACITOR	100uF 16V M 2.2uF 50V M	C1679 C1680	QETN1HM-475Z QETN1HM-475Z	E CAPACITOR E CAPACITOR	4.7uF 50V M
C1215	QFLC1HJ-103Z	M CAPACITOR	0.01uF 50V J	C1696	QETN1HM-475Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	4.7uF 50V M 10uF 50V M
C1216 C1218	NCF11CZ-475X NCB21CK-105X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 1uF 16V K	C1697 C1702	QETN1EM-476Z NCB21CK-105X	E CAPACITOR C CAPACITOR	47uF 25V M 1uF 16V K
C1219	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	C1712	QETN1AM-227Z	E CAPACITOR	220uF 10V M
C1233 C1257	NDC31HJ-180X QETN1HM-105Z	C CAPACITOR E CAPACITOR	18pF 50V J 1uF 50V M	C1806 C1807	QETN1VM-476Z QETN1EM-476Z	E CAPACITOR E CAPACITOR	47uF 35V M 47uF 25V M
C1258	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C1941	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1301 C1302	QETN1CM-107Z QETN1CM-107Z	E CAPACITOR E CAPACITOR	100uF 16V M 100uF 16V M	C1942 C1943	QETN1CM-108Z NCB31EK-104X	E CAPACITOR C CAPACITOR	1000uF 16V M 0.1uF 25V K
C1303	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C1944	QETN1VM-477Z	E CAPACITOR	470uF 35V M
C1304 C1305	NCB31CK-104X NCB31CK-104X	C CAPACITOR C CAPACITOR	0.1uF 16V K 0.1uF 16V K	C1945 C1946	QEZ0256-128 NCB31EK-104X	E CAPACITOR C CAPACITOR	1200uF 10V M 0.1uF 25V K
C1306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C1947	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1307 C1308	QETN1CM-106Z NCB31HK-103X	E CAPACITOR C CAPACITOR	10uF 16V M 0.01uF 50V K	C1948 C1949	QETN1CM-477Z QETN0JM-108Z	E CAPACITOR E CAPACITOR	470uF 16V M 1000uF 6.3V M
C1309	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1950	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1311 C1312	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K	C1951 C1952	QETN1VM-477Z QEZ0256-128	E CAPACITOR E CAPACITOR	470uF 35V M 1200uF 10V M
C1313	NCB21CK-105X	C CAPACITOR	1uF 16V K	C1953	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M
C1322 C1323	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C1955 C1961	NCB31EK-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 25V K 1uF 50V M
C1324 C1325	NCB21CK-105X	C CAPACITOR	1uF 16V K 1uF 16V K	C1981 C1984	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1326	NCB21CK-105X NDC31HJ-101X	C CAPACITOR C CAPACITOR	100pF 50V J	C1985	QETN0JM-108Z QETN0JM-477Z	E CAPACITOR E CAPACITOR	1000uF 6.3V M 470uF 6.3V M
C1327 C1328	NDC31HJ-101X NDC31HJ-101X	C CAPACITOR C CAPACITOR	100pF 50V J 100pF 50V J	C1991 C1992	QETN1EM-107Z QETN1CM-477Z	E CAPACITOR E CAPACITOR	100uF 25V M 470uF 16V M
C1329	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C1994	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1331 C1332	NCB21CK-105X NCB31HK-103X	C CAPACITOR C CAPACITOR	1uF 16V K 0.01uF 50V K	C1995 C1996	NCB11CK-225X NCB11CK-225X	C CAPACITOR C CAPACITOR	2.2uF 16V K 2.2uF 16V K
C1333	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1341 C1342	NCB21CK-105X NCB31HK-103X	C CAPACITOR C CAPACITOR	1uF 16V K 0.01uF 50V K	C2103 C2104	QETN1HM-106Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	10uF 50V M 10uF 50V M
C1343	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2105	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1351 C1352	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C2106 C2123	NCB11CK-225X NCB31HK-103X	C CAPACITOR C CAPACITOR	2.2uF 16V K 0.01uF 50V K
C1353	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C2124	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1354 C1355	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C2126 C2127	QETN1HM-106Z NCB11CK-225X	E CAPACITOR C CAPACITOR	10uF 50V M 2.2uF 16V K
C1371	QETN1CM-336Z	E CAPACITOR	33uF 16V M	C2128	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1372 C1381	NCB31CK-104X QETN1CM-336Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 33uF 16V M	C2144 C2145	QETN1HM-106Z NCB11CK-225X	E CAPACITOR C CAPACITOR	10uF 50V M 2.2uF 16V K
C1382	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C2146	NCB11CK-225X	C CAPACITOR	2.2uF 16V K
C1391 C1392	QETN1CM-336Z NCB31CK-104X	E CAPACITOR C CAPACITOR	33uF 16V M 0.1uF 16V K	C2302 C2303	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1403 C1404	QETN1AM-108Z	E CAPACITOR E CAPACITOR	1000uF 10V M	C2322 C2323	NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K
C1405	QETN1AM-108Z QETN1AM-108Z	E CAPACITOR	1000uF 10V M 1000uF 10V M	C2341	NCB21CK-105X NCB21CK-105X	C CAPACITOR	1uF 16V K 1uF 16V K
C1406 C1409	QETN1AM-108Z QETN1HM-106Z	E CAPACITOR E CAPACITOR	1000uF 10V M 10uF 50V M	C2342 C2343	NCB21CK-105X NCB21CK-105X	C CAPACITOR C CAPACITOR	1uF 16V K 1uF 16V K
C1410	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C3001	QENC1AM-336Z	BP E CAPACITOR	33uF 10V M
C1411 C1412	NCB31CK-104X QETN0JM-228Z	C CAPACITOR E CAPACITOR	0.1uF 16V K 2200uF 6.3V M	C3002 C3003	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1415	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3004	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1416 C1417	QETN1EM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 25V M 0.01uF 50V K	C3005 C3006	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1418	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3007	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C1421 C1423	QETN1AM-108Z QETN1HM-476Z	E CAPACITOR E CAPACITOR	1000uF 10V M 47uF 50V M	C3008 C3009	NDC31HJ-151X NDC31HJ-121X	C CAPACITOR C CAPACITOR	150pF 50V J 120pF 50V J
C1442	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3010	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C1501 C1502	NCF31CZ-104X QETN1EM-476Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 47uF 25V M	C3011 C3012	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z
C1510	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	C3013	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1519 C1531	QETN1EM-476Z NCB31CK-104X	E CAPACITOR C CAPACITOR	47uF 25V M 0.1uF 16V K	C3014 C3015	QETN1CM-107Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	100uF 16V M 0.1uF 16V Z
C1532 C1539	QETN1HM-226Z QENC1HM-475Z	E CAPACITOR BP E CAPACITOR	22uF 50V M 4.7uF 50V M	C3016 C3017	NCF31CZ-104X QENC1HM-475Z	C CAPACITOR BP E CAPACITOR	0.1uF 16V Z
C1540	QENCTHW-475Z QETN1AM-107Z	E CAPACITOR	100uF 10V M	C3017	NCF31CZ-104X	C CAPACITOR	4.7uF 50V M 0.1uF 16V Z
C1553 C1554	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3019 C3020	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K
C1555	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C3021	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1556 C1557	NCB31HK-103X NCB31HK-103X	C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K	C3022 C3023	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z
C1579	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C3024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1667 C1668	QETN1HM-106Z NDC31HJ-101X	E CAPACITOR C CAPACITOR	10uF 50V M 100pF 50V J	C3025 C3026	QETN1CM-106Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	10uF 16V M 0.1uF 16V Z
C1669	NCB21CK-105X	C CAPACITOR	1uF 16V K	C3027	NDC31HJ-7R0X	C CAPACITOR	7pF 50V J
C1670 C1671	QETN1HM-106Z NDC31HJ-101X	E CAPACITOR C CAPACITOR	10uF 50V M 100pF 50V J	C3028 C3029	NDC31HJ-7R0X NCF31CZ-104X	C CAPACITOR C CAPACITOR	7pF 50V J 0.1uF 16V Z
C1672	NCB21CK-105X	C CAPACITOR	1uF 16V K	C3030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1673 C1674	QETN1HM-477Z QETM1HM-108	E CAPACITOR E CAPACITOR	470uF 50V M 1000uF 50V M	C3031 C3032	NCF31CZ-104X NDC31HJ-560X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 56pF 50V J
C1675	QFV21HJ-124Z	MF CAPACITOR	0.12uF 50V J	C3033	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1676 C1677	QFV21HJ-124Z QETN1EM-108Z	MF CAPACITOR E CAPACITOR	0.12uF 50V J 1000uF 25V M	C3034 C3035	NDC31HJ-560X NDC31HJ-330X	C CAPACITOR C CAPACITOR	56pF 50V J 33pF 50V J
C1678	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	C3036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z

⚠Ref No.	Part No.	Part Name	Description Local	⚠Ref No.	Part No.	Part Name	Description Local
C3037	NCF31CZ-104X NCF31CZ-104X	C CAPACITOR C CAPACITOR	0.1uF 16V Z	R1203 R1218	NRSA63J-101X NRSA63J-822X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
C3038 C3039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z 0.1uF 16V Z	R1219	NRSA63J-331X	MG RESISTOR	8.2kΩ 1/16W J 330Ω 1/16W J
C3041 C3042	QETN1CM-106Z NCB31HK-472X	E CAPACITOR C CAPACITOR	10uF 16V M 4700pF 50V K	R1220 R1221	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
C3044	NCB31HK-472X	C CAPACITOR	4700pF 50V K 4700pF 50V K	R1226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J 10kΩ 1/16W J
C3045 C3046	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1228 R1229	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C3046 C3047	NCB31HK-472X QETN1CM-106Z	C CAPACITOR E CAPACITOR	4700pF 50V K 10uF 16V M	R1229	NRSA63J-332X NRSA63J-101X	MG RESISTOR MG RESISTOR	3.3kΩ 1/16W J 100Ω 1/16W J
C3048 C3049	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1231 R1232	NRSA63J-221X NRSA63J-222X	MG RESISTOR	220Ω 1/16W J
C3050	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1234	NRSA63J-562X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 5.6kΩ 1/16W J
C3051 C3052	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1236 R1240	NRSA63J-222X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 0Ω 1/16W J
C3053	NCB31HK-472X	C CAPACITOR	4700pF 50V K 4700pF 50V K	R1261	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
C3054 C3055	NCB31HK-472X NCB31HK-472X	C CAPACITOR C CAPACITOR	4700pF 50V K 4700pF 50V K	R1262 R1265	NRSA63J-152X NRSA63J-103X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 10kΩ 1/16W J
C3056	NCB31HK-472X	C CAPACITOR	4700pF 50V K 4700pF 50V K	R1266	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3057 C3058	QETN1CM-106Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	10uF 16V M 0.1uF 16V Z	R1267 R1268	NRSA63J-104X NRSA63J-103X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J
C3059	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R1269	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3060 C3061	NCF31CZ-104X QETN1HM-105Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 1uF 50V M	R1272 R1282	NRSA63J-562X QRE141J-221Y	MG RESISTOR C RESISTOR	5.6kΩ 1/16W J 220Ω 1/4W J
C3062	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1283	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
C3063 C3064	QETN1HM-105Z NCF31CZ-104X	E CAPACITOR C CAPACITOR	1uF 50V M 0.1uF 16V Z	R1284 R1285	NRSA63J-221X NRSA63J-823X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 82kΩ 1/16W J
C3065	QETN1CM-106Z	E CAPACITOR	10uF 16V M	R1286	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3066 C3067	NCF31CZ-104X QETN1CM-476Z	C CAPACITOR E CAPACITOR	0.1uF 16V Z 47uF 16V M	R1287 R1301	NRSA63J-823X NRSA63J-101X	MG RESISTOR MG RESISTOR	82kΩ 1/16W J 100Ω 1/16W J
C3068 C3069	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R1302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3069 C3070	QETN1CM-476Z NCB31HK-103X	E CAPACITOR C CAPACITOR	47uF 16V M 0.01uF 50V K	R1337 R1347	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J
C3071	QETN1CM-476Z	E CAPACITOR	47uF 16V M	R1372	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3072 C3077	NCF31CZ-104X NCB31AK-334X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 0.33uF 10V K	R1374 R1375	NRSA63J-471X NRSA63J-470X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 47Ω 1/16W J
C3078	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	R1378	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3079 C3080	NDC31HJ-470X QBTC1CK-106Z	C CAPACITOR TA E CAPACITOR	47pF 50V J 10uF 16V K	R1382 R1384	NRSA63J-101X NRSA63J-471X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 470Ω 1/16W J
C3082 C3086	NDC31HJ-151X NCB31HK-152X	C CAPACITOR C CAPACITOR	150pF 50V J 1500pF 50V K	R1385 R1392	NRSA63J-470X NRSA63J-101X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 100Ω 1/16W J
C3088	NDC31HJ-100X	C CAPACITOR	10pF 50V J	R1394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C3089 C3090	NDC31HJ-100X NDC31HJ-100X	C CAPACITOR C CAPACITOR	10pF 50V J 10pF 50V J	R1395 R1401	NRSA63J-470X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	47Ω 1/16W J 0Ω 1/16W J
C3099	NCB31HK-472X	C CAPACITOR	4700pF 50V K	R1402	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3100 C3501	NCB31HK-472X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4700pF 50V K 0.1uF 16V Z	R1421 R1422	NRSA63J-683X NRSA63J-101X	MG RESISTOR MG RESISTOR	68kΩ 1/16W J 100Ω 1/16W J
C3502	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1423	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C3503 C3504	NDC31HJ-121X NDC31HJ-150X	C CAPACITOR C CAPACITOR	120pF 50V J 15pF 50V J	R1501 R1502	NRSA63J-100X NRSA63J-100X	MG RESISTOR MG RESISTOR	10Ω 1/16W J 10Ω 1/16W J
C3506 C3507	NCF11CZ-475X NCF31CZ-104X	C CAPACITOR C CAPACITOR	4.7uF 16V Z 0.1uF 16V Z	R1505 R1511	NRSA63J-102X NRSA63J-332X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 3.3kΩ 1/16W J
C3508	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R1513	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C3509 C3510	NDC31HJ-121X	C CAPACITOR C CAPACITOR	120pF 50V J 15pF 50V J	R1514 R1515	NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
C3512	NDC31HJ-150X NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	R1516	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3513 C3514	NCF31CZ-104X NDC31HJ-101X	C CAPACITOR C CAPACITOR	0.1uF 16V Z 100pF 50V J	R1517 R1518	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J
C3515	NDC31HJ-121X	C CAPACITOR	120pF 50V J	R1519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C3516 C3518	NDC31HJ-150X NCF11CZ-475X	C CAPACITOR C CAPACITOR	15pF 50V J 4.7uF 16V Z	R1520 R1521	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J
C3519	QENC1CM-336Z	BP E CAPACITOR	33uF 16V M	R1522	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C3520 C3521	QENC1CM-336Z QENC1CM-336Z	BP E CAPACITOR BP E CAPACITOR	33uF 16V M 33uF 16V M	R1523 R1524	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R0705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1525 R1526	NRSA63J-682X NRSA63J-682X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 6.8kΩ 1/16W J
R0706	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R1527	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1097 R1104	NRSA63J-102X NRSA63J-221X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 220Ω 1/16W J	R1528 R1529	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R1105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1530	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1107 R1110	NRSA63J-473X NRSA63J-103X	MG RESISTOR MG RESISTOR	47kΩ 1/16W J 10kΩ 1/16W J	R1533 R1534	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
R1111	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R1535	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1112 R1140	NRSA63J-103X NRSA63J-225X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 2.2MΩ 1/16W J	R1536 R1537	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R1141 R1142	NRSA63J-221X NRSA63J-221X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 220Ω 1/16W J	R1538 R1539	NRSA63J-221X NRSA63J-682X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 6.8kΩ 1/16W J
R1143	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R1560	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1144 R1145	NRSA63J-104X NRSA63J-123X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 12kΩ 1/16W J	R1562 R1571	NRSA63J-102X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 0Ω 1/16W J
R1146	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R1577	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1147 R1149	NRSA63J-683X NRSA63J-332X	MG RESISTOR MG RESISTOR	68kΩ 1/16W J 3.3kΩ 1/16W J	R1578 R1579	NRSA63J-682X NRSA63J-221X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 220Ω 1/16W J
R1151	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	R1611	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R1152 R1157	NRSA63J-392X NRSA63J-221X	MG RESISTOR MG RESISTOR	3.9kΩ 1/16W J 220Ω 1/16W J	R1612 R1613	NRSA63J-563X NRSA63J-102X	MG RESISTOR MG RESISTOR	56kΩ 1/16W J 1kΩ 1/16W J
R1158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R1614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R1615	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Loca
R1616	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3002	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1658 R1659	NRSA63J-103X NRSA63J-103X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J	R3003 R3004	NRSA63J-101X NRSA63J-332X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 3.3kΩ 1/16W J
R1665	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3004 R3005	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1666	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R3006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1667 R1668	NRSA63J-222X NRSA63J-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 2.2kΩ 1/16W J	R3007 R3009	NRSA63J-102X NRSA63D-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W D
R1669	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R3010	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1670	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	R3012	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1671 R1672	QRJ146J-2R2X QRJ146J-2R2X	UNF C RESISTOR UNF C RESISTOR	2.2Ω 1/4W J 2.2Ω 1/4W J	R3013 R3014	NRSA63J-333X NRSA63J-101X	MG RESISTOR MG RESISTOR	33kΩ 1/16W J 100Ω 1/16W J
R1673	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1674	QRK126J-102X	UNF C RESISTOR	1kΩ 1/2W J	R3016	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1680 R1681	NRSA63J-272X NRSA63J-473X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 47kΩ 1/16W J	R3017 R3018	NRSA63J-152X NRSA63J-102X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 1kΩ 1/16W J
R1682	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R3020	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R1689 R1690	NRSA63J-0R0X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	0Ω 1/16W J 0Ω 1/16W J	R3021 R3023	NRSA63J-152X NRSA63J-473X	MG RESISTOR MG RESISTOR	1.5kΩ 1/16W J 47kΩ 1/16W J
R1691	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R3024	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1694	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R3025	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1695 R1696	NRSA63J-682X NRSA63J-473X	MG RESISTOR MG RESISTOR	6.8kΩ 1/16W J 47kΩ 1/16W J	R3026 R3027	NRSA63J-223X NRSA63J-471X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 470Ω 1/16W J
R1697	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3027 R3028	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1701	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	R3029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1702 R1703	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J	R3030 R3039	NRSA63J-471X NRSA63J-101X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 100Ω 1/16W J
R1712	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	R3040	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1713 R1714	NRSA63J-123X NRSA63J-123X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 12kΩ 1/16W J	R3042 R3045	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J
R1714 R1715	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R3047	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3048	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1718 R1895	NRSA63J-472X NRSA63J-221X	MG RESISTOR MG RESISTOR	4.7kΩ 1/16W J 220Ω 1/16W J	R3049 R3050	NRSA63J-104X NRSA63J-563X	MG RESISTOR MG RESISTOR	100kΩ 1/16W J 56kΩ 1/16W J
R1896	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3051	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1897	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	R3052	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1898 R1899	NRSA63J-221X NRSA63J-563X	MG RESISTOR MG RESISTOR	220Ω 1/16W J 56kΩ 1/16W J	R3053 R3054	NRSA63J-123X NRSA63J-103X	MG RESISTOR MG RESISTOR	12kΩ 1/16W J 10kΩ 1/16W J
R1900	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R3055	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1942 R1943	NRSA63D-122X NRSA63D-123X	MG RESISTOR MG RESISTOR	1.2kΩ 1/16W D 12kΩ 1/16W D	R3058 R3059	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
<u></u> ∆R1944	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	R3060	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1945	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3065	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1946 R1949	NRSA63J-102X NRSA63D-122X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1.2kΩ 1/16W D	R3066 R3502	NRSA63J-101X NRSA63J-101X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J
R1950	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	R3503	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1952	NRSA63J-331X NRSA63J-224X	MG RESISTOR	330Ω 1/16W J	R3504	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1953 R1957	NRSA63J-224X NRSA63D-682X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 6.8kΩ 1/16W D	R3505 R3507	NRSA63J-103X NRSA63J-101X	MG RESISTOR MG RESISTOR	10kΩ 1/16W J 100Ω 1/16W J
R1959	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	R3508	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1961 R1962	NRSA63J-102X NRSA63J-562X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 5.6kΩ 1/16W J	R3509 R3511	NRSA63J-222X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W J 0Ω 1/16W J
R1963	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R3516	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1964	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R3518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1965 R1966	NRSA63J-102X NRSA63J-822X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 8.2kΩ 1/16W J	R3519 R3520	NRSA63J-182X NRSA63J-181X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 180Ω 1/16W J
R1967	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	R3521	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1968 R1969	NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J	R3523 R3525	NRSA63J-101X NRSA63J-222X	MG RESISTOR MG RESISTOR	100Ω 1/16W J 2.2kΩ 1/16W J
R1971	QRT039J-R68	MF RESISTOR	0.68Ω 3W J	R3532	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1975	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R3534	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1978 ∆ R1981	NRSA63J-102X QRK126J-181X	MG RESISTOR UNF C RESISTOR	1kΩ 1/16W J 180Ω 1/2W J	R3535 R3536	NRSA63J-182X NRSA63J-181X	MG RESISTOR MG RESISTOR	1.8kΩ 1/16W J 180Ω 1/16W J
R1982	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	R3537	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1983 R1984	NRSA63D-222X	MG RESISTOR MG RESISTOR	2.2kΩ 1/16W D	R3539 R3541	NRSA63J-101X NRSA63J-222X	MG RESISTOR MG RESISTOR	100Ω 1/16W J
R1985	NRSA63J-183X NRSA63J-0R0X	MG RESISTOR	18kΩ 1/16W J 0Ω 1/16W J	R3548	NRSA63J-680X	MG RESISTOR	2.2kΩ 1/16W J 68Ω 1/16W J
 ⚠R1986	QRK126J-331X	UNF C RESISTOR	330Ω 1/2W J	R3549	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1991 R1992	NRSA63J-471X NRSA63J-182X	MG RESISTOR MG RESISTOR	470Ω 1/16W J 1.8kΩ 1/16W J	R3550 R3551	NRSA63J-223X NRSA63J-0R0X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 0Ω 1/16W J
R2102	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3552	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	R3553	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R2104 R2105	NRSA63J-750X NRSA63J-224X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J	R3554 R3555	NRSA63J-223X NRSA63J-223X	MG RESISTOR MG RESISTOR	22kΩ 1/16W J 22kΩ 1/16W J
R2106	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	RA3001	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
R2122	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	RA3002	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J
R2123 R2125	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J	RA3003 RA3004	NRZ0040-103X NRZ0040-103X	NET RESISTOR NET RESISTOR	10kΩ 1/16W J 10kΩ 1/16W J
R2126	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J				
R2127 R2144	NRSA63J-224X NRSA63J-750X	MG RESISTOR MG RESISTOR	220kΩ 1/16W J 75Ω 1/16W J	L1211 L1401	QQL244K-100Z QQL244K-100Z	PEAKING COIL PEAKING COIL	10uH K 10uH K
R2144 R2145	NRSA63J-750X NRSA63J-224X	MG RESISTOR	75Ω 1/16W J 220kΩ 1/16W J	L1401 L1402	QQL244K-100Z QQL26AK-100Z	CHOKE COIL	10uH K
R2146	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	L1941	QQR1401-001	CHOKE COIL	
R2305 R2308	NRSA63J-750X NRSA63J-750X	MG RESISTOR MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J	L1942 L1943	QQR1401-001 QQL26AK-330Z	CHOKE COIL CHOKE COIL	33uH K
R2325	NRSA63J-750X NRSA63J-750X	MG RESISTOR	75Ω 1/16W J 75Ω 1/16W J	L1943 L1944	QQL26AK-330Z QQL26AK-330Z	CHOKE COIL	33uH K
R2328	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	L1945	QQL26AK-220Z	CHOKE COIL	22uH K
R3001	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	L1946	QQL26AK-220Z	CHOKE COIL	22uH K

⚠Ref No.	Part No.	Part Name	Description Lo
L1947 L1948 L1950 L1951 L1952 L1983 L3001 L3002 L3003 L3004 L3007 L3502 L3503	QQR1401-001 QQL26AK-100Z QQL26AK-470Z QQL26AK-470Z QQL26AK-470Z QRN143J-0R0X NQL092K-6R8X NQL092K-6R8X NQR0413-003X NQR0413-003X NRSA02J-0R0X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X NQL092K-6R8X	CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL CHOKE COIL C RESISTOR COIL FERRITE BEADS FERRITE BEADS MG RESISTOR COIL COIL COIL COIL	10uH K 47uH K 47uH K 47uH K 0Ω 1/4W J 6.8uH K 6.8uH K 6.8uH K 6.8uH K 6.8uH K
CN1001 CN1002 CN1003 CN1004 CN100Q CN10AU CN10DC CN10SR H1661 H1802	QGB1506L1-16 QGB1506L1-16 QGB1506L1-16 QGC2508C1-C0 WJP0053-004A WJP0052-002A QJB003-043014 QJB003-052610 LC30145-003A CM42862-A0A	CONNECTOR CONNECTOR CONNECTOR CONNECTOR E-SH C WIRE C-B SIN ID C-B WIRE SIN ID C-B WIRE HEAT SINK/AL-F/ HEAT SINK ASSY	B-B (1-16) B-B (1-16) B-B (1-16) (1-120)
J1091 J2101 J2102 J2111 J2121 K1943 K1944 LC1302 LC1303 LC2301 LC2302 LC2303 LC2321 LC2322 LC2323 LC2321 LC2323	QNS0242-001 QNN0628-001 QNN0629-001 QND0121-001 QND0121-001 QNN0638-001 QRN143J-0R0X QRN1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001 QQR1199-001	3.5 JACK PIN JACK PIN JACK S JACK PIN JACK C RESISTOR C RESISTOR EMI FILTER	AV COMPULINK V/L IN RINLROUTICENTERCHIN S IN COMP-1/2 IN 0Ω 1/4W J 0Ω 1/4W J
LC2343 LC3001 LC3002 LC3003 LC3004 LC3005 LC3006 LC3007 LC3008 LC3501 LC3502 LC3503 SL1211 ▲TU1101 X3001	QQR1199-001 NQR0470-001X NQR0470-001X NQR0483-005X NQR0470-003X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-001X NQR0470-003X NQR0470-003X NQR0470-003X CSB503F30-T2 QAU0352-001 NAX0570-001X	EMI FILTER CRESONATOR TUNER CRYSTAL	22pF 50V +50%-20% 22pF 50V +50%-20% 100uF 25V Z 100pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20% 22pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 100pF 50V +50%-20% 27.000MHz

DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2013A-M2)

ÆRef No.	Part No.	Part Name	Description Loca
IC101 IC161 IC162 IC163 IC212 IC401 IC801 IC804 IC805 IC807	LA7860M-X AN5441SA-W BA10393F-XE AN7805F CXA1875AM-X AN15525A L7805CP STK394-250 STK394-210 SN74LVC1G126V-X	C	
Q101 Q102 Q131 Q132 Q162 Q168 Q171 Q401 Q401 Q402 Q501 MQ503 Q521 Q531 Q531 Q531 Q533 Q806 Q807 Q808 Q809 Q810 Q971	2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SB709A/QR/-X 2SB709A/QR/-X 2SC3311A/QR/-T 2SC3311A/QR/-T 2SC3311A/QR/-T 1SC19531-RL 2SC3311A/QR/-T 1RF1620G 2SC1959/Y/-T 2SA562TM/Y/-T 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X 2SD601A/QR/-X	TRANSISTOR MOS FET POW TRANSISTOR	
D164 D165 D170 D171 D173 D174 D201 D301 D302 D303 D311 D401 D402 D403 D404 D405 D406 D501 D504 D506 D507 D521 D522 D531 D561 D562 D583 D804 D805 D811 D812 D841 D812 D841 D842 D850 D972 D973	1SS355-X NRSA02J-0R0X 1SS355-X 1SS35-X MTJ75-T2 1SR35-400A-T2 MTJ775-T2 1SR35-400A-T2 MA111-X MA8068/M/-X 1SS81-T2 RG2A-LFC4 FMV-3FU-F1 V11CA-C1 MA8120-X MA111-X RGP10J-5025-T3 MA4068N/Z1/-T2 MA4068N/Z1/-T2 MA4068N/Z1/-T2 MA111-X 1SR153-400-T2 1SR153-40	SI DIODE MG RESISTOR SI DIODE	0Ω 1/10W J
C102 C103 C104 C106 C107 C108 C109 C110 C111 C112 C113	NCB31HK-103X NCB31HK-103X NDC31HJ-561X NDC31HJ-102X NDC21HJ-122X QETN1HM-475Z NCB31HK-103X NCB31HK-102X QETN1HM-225Z QETN1HM-225Z NDC21HJ-122X	C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR E CAPACITOR E CAPACITOR C CAPACITOR C CAPACITOR C CAPACITOR	0.01uF 50V K 0.01uF 50V K 560pF 50V J 1000pF 50V J 1200pF 50V J 4.7uF 50V M 0.01uF 50V K 1000pF 50V K 2.2uF 50V M 2.2uF 50V M

⚠Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
C114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C819	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C820	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C821	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C117	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	C822	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C823	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C120	QETN1EM-476Z	E CAPACITOR	47uF 25V M	C824	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	C825	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C827	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C828	QETN1HM-477Z	E CAPACITOR	470uF 50V M
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C829	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	C830	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C132	QETN1HM-105Z	E CAPACITOR	1uF 50V M	C831	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C133	NCB21EK-124X	C CAPACITOR	0.12uF 25V K	C832	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	C833	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C834	NDC31HJ-151X	C CAPACITOR	150pF 50V J
C136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C838	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	C844	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C138	NDC31HJ-181X	C CAPACITOR	180pF 50V J	C851	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	C852	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C853	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	C971	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C972	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	C973	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C167 C168	QFLM1HJ-332Z NCB31HK-103X	M CAPACITOR C CAPACITOR	3300pF 50V J 0.01uF 50V K	R101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K 0.18uF 50V J	R103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
C171	QFVF1HJ-184Z	MF CAPACITOR	4.7uF 50V M	R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C172	QETN1HM-475Z	E CAPACITOR		R105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C173	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	R106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C175	NCB31HK-152X	C CAPACITOR	1500pF 50V K	R107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
C179	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
C181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C182	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	R113	NRSA63D-123X	MG RESISTOR	12kΩ 1/16W D
C185	NCB21HK-563X	C CAPACITOR	0.056uF 50V K	R114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
C187	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	R116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D
C201	QFV21HJ-334Z	MF CAPACITOR	0.33uF 50V J	R117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C212	QETN1HM-106Z	E CAPACITOR	10uF 50V M	R120	NRSA63J-183X NRSA63J-152X	MG RESISTOR	18kΩ 1/16W J
C221	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R121	QRG01GJ-470	MG RESISTOR	1.5kΩ 1/16W J
C301	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R122		OMF RESISTOR	47Ω 1W J
C302	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	R123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J
C303	QETM2EM-336	E CAPACITOR	33uF 250V M	R126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C311	QETN1VM-107Z	E CAPACITOR	100uF 35V M	R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C312	QCB32HK-821Z	C CAPACITOR	820pF 500V K	R129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
C401	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	R131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C402	QFN31HJ-152Z	M CAPACITOR	1500pF 50V J	R133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	R134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
C404	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	R137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C405	QFV21HJ-104Z	MF CAPACITOR	0.1uF 50V J	R139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C406	QETN1VM-107Z	E CAPACITOR	100uF 35V M	R140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C407	QETN1HM-105Z	E CAPACITOR	1uF 50V M	R141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C408	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	R142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C409	QETN1HM-106Z QCB31HK-222Z	E CAPACITOR	10uF 50V M	R143	NRSA63J-471X NRSA63J-221X	MG RESISTOR	470Ω 1/16W J
C411	QCB31HK-222Z	C CAPACITOR	2200pF 50V K	R161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C412	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M	R162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C413	QENC1CM-226Z	BP E CAPACITOR	22uF 16V M	R163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C415	QFLC2AJ-823Z	M CAPACITOR	0.082uF 100V J	R164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C416	QCB31HK-682Z	C CAPACITOR	6800pF 50V K	R168	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C501	QCB32HK-331Z	C CAPACITOR	330pF 500V K	R169	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C502	QFN32DK-103	M CAPACITOR	0.01uF 200V K	R172	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C503 C506	QFV21HJ-224Z QFZ0122-452	MF CAPACITOR MPP CAPACITOR	0.22uF 50V J	R174	NRSA63J-102X NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J 1kΩ 1/16W J
C507	QFZ0122-452	MPP CAPACITOR	4500pF 1.8kV H 4500pF 1.8kV H	R175 R176	NRSA63J-272X	MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J
C508	QFP32JJ-103	PP CAPACITOR	0.01uF 630V J	R177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C511	QFZ0128-404	MPP CAPACITOR	0.4uF DC400V H	R178	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C513	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J	R179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D
C514	QCS32HJ-561	C CAPACITOR	560pF 500V J	R180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
C521	QCZ0122-681	C CAPACITOR	680pF 2kV K	R182	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C522	QCZ0122-681	C CAPACITOR	680pF 2kV K	R183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C523	QFN32AJ-682Z	M CAPACITOR	6800pF 100V J	R184	NRSA63D-473X	MG RESISTOR	47kΩ 1/16W D
C524	QCS31HJ-470Z	C CAPACITOR	47pF 50V J	R185	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D
C525	QCB31HK-682Z	C CAPACITOR	6800pF 50V K	R186	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C527	QETN1EM-476Z	E CAPACITOR	47uF 25V M	R187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C533	QCS32HJ-561	C CAPACITOR	560pF 500V J	R188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D
C534	QFN32DK-222Z	M CAPACITOR	2200pF 200V K	R189	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
C536	QFN32DJ-152Z	M CAPACITOR	1500pF 200V J	R190	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
C591	QEZ0203-107	E CAPACITOR	100uF 160V M	R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C701	QFLC2AJ-223Z	M CAPACITOR	0.022uF 100V J	R195	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C803	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R196	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C804	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R197	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C807	QETN1CM-107Z	E CAPACITOR	100uF 16V M	R198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
C808	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R207	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F
C809	NCB31EK-104X	C CAPACITOR	0.1uF 25V K	R208	NRS144F-274X	MG RESISTOR	270kΩ 1/4W F
C810	QETN1EM-107Z	E CAPACITOR	100uF 25V M	R209	NRS144F-184X	MG RESISTOR	180kΩ 1/4W F
C812	NDC31HJ-181X	C CAPACITOR	180pF 50V J	R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
C818	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	R217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J

Ref No.	Part No.	Part Name	Description Local	Ref No.	Part No.	Part Name	Description Local
R223 R224 R226 R227 R230	NRSA63J-101X NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-223X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 100Ω 1/16W J 1kΩ 1/16W J 22kΩ 1/16W J	R856 R858 R859 R860 R862	NRSA63J-332X QRX01GJ-3R3 QRL029J-221 NRSA63J-332X QRX01GJ-1R8	MG RESISTOR MF RESISTOR OMF RESISTOR MG RESISTOR MF RESISTOR	3.3kΩ 1/16W J 3.3Ω 1W J 220Ω 2W J 3.3kΩ 1/16W J 1.8Ω 1W J
R401 R402 R403 R404 R405	NRSA63J-562X NRVA63D-103X QRE121J-180Y NRVA63D-682X NRVA63D-682X	MG RESISTOR CMF RESISTOR C RESISTOR CMF RESISTOR CMF RESISTOR	5.6kΩ 1/16W J 10kΩ 1/16W D 18Ω 1/2W J 6.8kΩ 1/16W D 6.8kΩ 1/16W D	R863 R864 R866 R867 R873	QRL029J-151 NRSA63J-473X NRSA63J-102X NRSA63J-102X NRSA63J-0R0X	OMF RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	150Ω 2W J 47kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 0Ω 1/16W J
R406 R407 R408 R409 R410 R412	NRVA63D-472X NRVA63D-821X NRVA63D-821X QRL029J-221 QRT029J-2R2 NRSA63J-472X	CMF RESISTOR CMF RESISTOR CMF RESISTOR OMF RESISTOR	4.7kΩ 1/16W D 820Ω 1/16W D 820Ω 1/16W D 220Ω 2W J 2.2Ω 2W J 4.7kΩ 1/16W J	R874 R972 R973 R975 R977 R978	NRSA63J-0R0X NRSA63D-112X QRA14CF-7501Y QRE121J-223Y NRSA63J-473X NRSA63J-333X	MG RESISTOR MG RESISTOR CMF RESISTOR C RESISTOR MG RESISTOR MG RESISTOR	0Ω 1/16W J 1.1kΩ 1/16W D 7.5kΩ 1/4W F 22kΩ 1/2W J 47kΩ 1/16W J 33kΩ 1/16W J
R413 R416 R418 R420	NRSA63J-104X NRSA63J-103X NRSA63J-222X NRSA63J-101X	MF RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100kΩ 1/16W J 10kΩ 1/16W J 2.2kΩ 1/16W J 100Ω 1/16W J	L101 L103 L104	QQL01BK-470Z NQL092K-100X NQL092K-100X	PEAKING COIL COIL COIL	47uH K 10uH K 10uH K
R421 R422 R426 R427 R430	NRSA63J-682X NRSA63J-0R0X NRSA63J-0R0X NRSA63J-0R0X QRE121J-101Y	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR C RESISTOR	6.8kΩ 1/16W J 0Ω 1/16W J 0Ω 1/16W J 0Ω 1/16W J 100Ω 1/2W J	L105 L301 L502 L505 L531	QQL01BK-101Z QQLZ026-140 QQR1408-001 QQR1149-004 QQR1422-005	PEAKING COIL COIL CHOKE COIL LINEARITY COIL CHOKE COIL	100uH K 14uH Å}7%
R431 R432 R501 R502 R503	QRE121J-101Y QRE121J-101Y NRSA63J-471X QRE121J-123Y QRE121J-152Y	C RESISTOR C RESISTOR MG RESISTOR C RESISTOR C RESISTOR OMF RESISTOR	100Ω 1/2W J 100Ω 1/2W J 470Ω 1/16W J 12kΩ 1/2W J 1.5kΩ 1/2W J	L701 L802 T501 T701	QQR1422-005 QQL521J-470 QQR1111-001 QQR1458-001	CHOKE COIL COIL DRIVE TRANSF DEF TRANS	47uH J
R504 R505 R506 R512 R521	QRL039J-222 QRL039J-222 QRE121J-5R6Y QRL029J-331 NRSA63J-103X	OMF RESISTOR C RESISTOR OMF RESISTOR MG RESISTOR	2.2kΩ 3W J 2.2kΩ 3W J 5.6Ω 1/2W J 330Ω 2W J 10kΩ 1/16W J	CN007 CN008 CN00N CN00Y CN011	QGB1506M1-16 QGB1506M1-16 QJB003-101010 WJK0170-001A QGB2501J1-15	CONNECTOR CONNECTOR SIN ID C-C WIRE E-SI C WIRE C-B CONNECTOR	B-B (1-16) B-B (1-16) B-B (1-15)
R522 R523 R524 R525 R526	NRSA63J-103X NRSA63J-822X NRSA63J-682X NRSA63J-102X NRSA63J-470X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	10kΩ 1/16W J 8.2kΩ 1/16W J 6.8kΩ 1/16W J 1kΩ 1/16W J 47Ω 1/16W J	CN012 CN0AA CN0AB ⚠FR301 ⚠FR302	QGB2501J1-15 WJP0037-001A QGZ8001C1-03 QRZ9011-1R0 QRZ9011-1R0	CONNECTOR W TO B CONNE CONNECTOR FUSI RESISTOR FUSI RESISTOR	B-B (1-15) (1-3) 1Ω 1/2W J 1Ω 1/2W J
R531 R532 R533 R534 R535	QRL029J-102 QRL029J-820 QRL029J-820 QRL029J-820 NRSA63J-102X NRSA63J-101X	OMF RESISTOR OMF RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	1kΩ 2W J 82Ω 2W J 82Ω 2W J 1kΩ 1/16W J 100Ω 1/16W J	⚠FR311 H401 H503 H506 H531	QRZ9011-4R7 LC30416-001A LC31212-001B LC30521-001A CEHT11B-005QS	FUSI RESISTOR HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK/AL-F/ HEAT SINK	4.7Ω 1/2W J
R536 R561 R562 R563	NRSA63J-470X NRVA63D-472X NRVA63D-472X NRSA63J-104X	MG RESISTOR CMF RESISTOR CMF RESISTOR MG RESISTOR	47Ω 1/16W J 4.7kΩ 1/16W D 4.7kΩ 1/16W D 100kΩ 1/16W J	H801 H804 H805 K401	CEHT11B-002QS LC31881-001A LC31881-001A QQR0621-002Z	HEAT SINK HEAT SINK HEAT SINK FERRITE BEADS	
R565 R591 R701 R702 R703	NRSA63J-223X QRF154K-3R3 QRG01GJ-390 QRE121J-123Y QRZ0056-103Z	MG RESISTOR UNF WW RESISTOR OMF RESISTOR C RESISTOR COMP RESISTOR	22kΩ 1/16W J 3.3Ω 15W K 39Ω 1W J 12kΩ 1/2W J 10kΩ 1/2W K	K501 K504 K801 K802 K803	QQR1139-001 QQR1139-001 QQR0621-002Z QQR0621-002Z QQR0621-002Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	
R801 R802 R803 R804 R805	NRSA63J-272X NRSA63J-272X NRSA63J-272X NRSA63J-272X NRSA63J-272X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 2.7kΩ 1/16W J 2.7kΩ 1/16W J 2.7kΩ 1/16W J 2.7kΩ 1/16W J	K804 K805 K806 K807 K808	QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z QQR0621-002Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS FERRITE BEADS	
R806 R811 R814 R818 R828	NRSA63J-272X NRSA63J-105X QRL029J-151 NRSA63J-473X NRSA63J-101X	MG RESISTOR MG RESISTOR OMF RESISTOR MG RESISTOR MG RESISTOR	2.7kΩ 1/16W J 1MΩ 1/16W J 150Ω 2W J 47kΩ 1/16W J 100Ω 1/16W J	K809 K810 K811	QQR0621-002Z QQR0621-002Z QQR0621-002Z	FERRITE BEADS FERRITE BEADS FERRITE BEADS	
R829 R830 R831 R832 R833	NRSA63J-101X NRSA63J-101X NRSA63J-102X NRSA63J-102X NRSA63J-102X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	100Ω 1/16W J 100Ω 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J 1kΩ 1/16W J				
R834 R835 R836 R837 R838	NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-473X NRSA63J-473X	MG RESISTOR MG RESISTOR MG RESISTOR MG RESISTOR	47kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J 47kΩ 1/16W J				
R839 R840 R842 R843	NRSA63J-473X NRSA63J-332X QRX01GJ-2R2 QRL029J-221	MG RESISTOR MG RESISTOR MG RESISTOR MF RESISTOR OMF RESISTOR	47kΩ 1/16W J 47kΩ 1/16W J 3.3kΩ 1/16W J 2.2Ω 1W J 220Ω 2W J				
R844 R846 R847 R848 R850	NRSA63J-332X QRX01GJ-1R5 QRL029J-151 NRSA63J-332X QRX01GJ-2R2	MG RESISTOR MF RESISTOR OMF RESISTOR MG RESISTOR MF RESISTOR	3.3kΩ 1/16W J 1.5Ω 1W J 150Ω 2W J 3.3kΩ 1/16W J 2.2Ω 1W J				
R851 R852 R854 R855	QRL029J-221 NRSA63J-332X QRX01GJ-1R5 QRL029J-151	OMF RESISTOR MG RESISTOR MF RESISTOR OMF RESISTOR	220Ω 2W J 3.3kΩ 1/16W J 1.5Ω 1W J 150Ω 2W J				

R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SRP-9010A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W.BOARD.

FRONT CONTROL P.W. BOARD ASS'Y (SRP0L012A-M2)

REFER TO PARTS LIST IN PAGE 3-17 FOR THIS P.W. BOARD.

MI-CON & DIST P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-18 FOR THIS P.W. BOARD.

DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K014A-M2)

⚠Ref No.	Part No.	Part Name	Description Local
MD001	SRP0K014A-M2	DIGITAL CONVERGENCE MO	DULE PWB

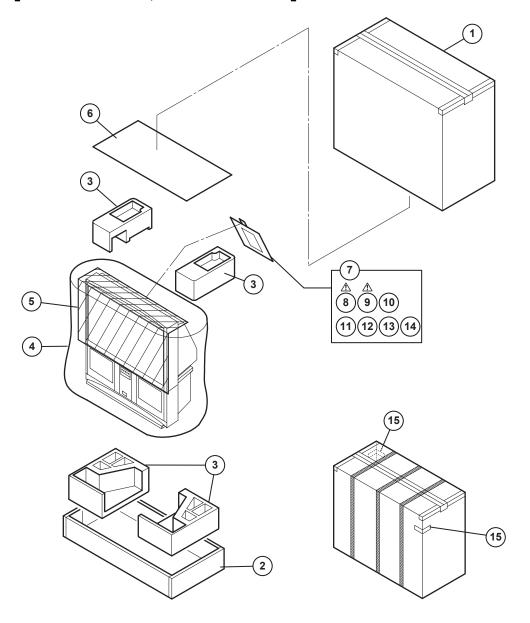
DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7812A-M2)

4	⚠Ref No.	Part No.	Part Name	Description	Local
	MD001	SRP-7812A-M2	DIGITAL INPUT MODULE PWB		

REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

⚠ Ref No.	Part No.	Part Name	Description	Local
	UR77EC0603	BATTERY COVER]		

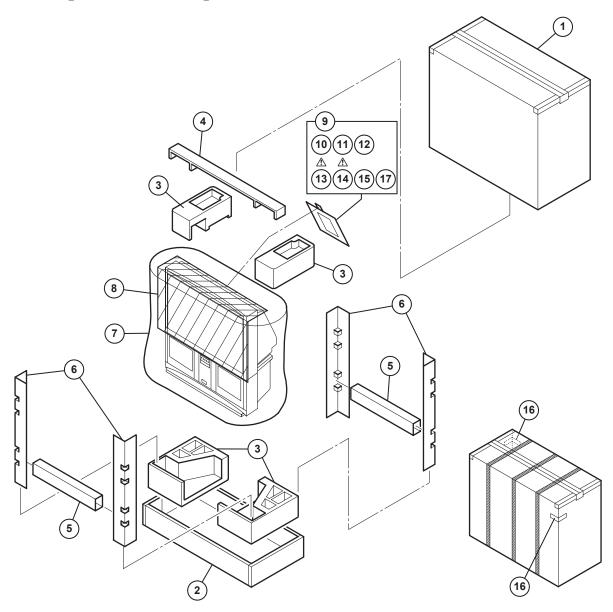
PACKING [AV-48WP55/H, AV-56WP55/H]



PACKING PARTS LIST [AV-48WP55/H, AV-56WP55/H]

⚠ Ref.No.	Part No.	Part Name	Description	Local
1 1 2 2 3 3 4 5 6 6 7 8 4 9 10 11 11 11 12 13 14 15	GQ10091-001A-A LC11253-002C-A LC31759-001C-A LC31759-002B-A LC11254-002C-A LC11410-002B-A CP30056-011-A CP30055-007-A GQ30053-001A-A GQ30053-002A-A QPA02503505 LCT1606-001A-A LCT1607-001A-A BT-51034-2Q BT-51034-1Q BT-52006-2Q RM-C1257G-1H	PACKING CASE (TOP) PACKING CASE (TOP) PACKING CASE (BOTTOM) PACKING CASE (BOTTOM) CUSHION ASSY POLY BAG TOP COVER TOP SHEET TOP SHEET POLY BAG INST BOOK INST BOOK INSERT SHEET REGIST. CARD REGIST. CARD WARRANTY CARD REMOCON BATTERY CORNER LABEL	4pcs in 1set 4pcs in 1set 25cm x 35cm English French R6P/AA(x2) 2pcs in 1set	48WP55/H 56WP55/H 48WP55/H 56WP55/H 48WP55/H 56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H 48WP55/H,56WP55/H 48WP55/H,56WP55/H

PACKING [AV-65WP55/H]



PACKING PARTS LIST [AV-65WP55/H]

\triangle	Ref.No.	Part No.	Part Name	Description	Local
	1	GQ10091-003A-A	PACKING CASE (TOP)		
	2	LC32325-001A-A	PACKING CASE (BOTTOM)		
	3	LC11512-002C-A LC32287-001A-A	CUSHION ASSY PROTECT PAD (TOP)	4pcs 1set	
	4 5	LC32288-001A-A	PROTECT PAD (TOP) PROTECT PAD (FRONT)	(x2)	
	6	LC32286-001A-A	PROTECT PAD (SIDE)	(x4)	
	7	CP30056-012-A	POLY BAG	(***)	
	8	CP30055-008-A	TOP COVER		
	9	QPA02503505	POLY BAG	25cm x 35cm	
	10	GQ40028-001A-A	INSERT SHEET	D0D(4.4./0)	
	11 12	RM-C1257G-1H	BATTERY	R6P/AA(x2)	
⚠	13	LCT1606-001A-A	REMOCON INST BOOK	English	
$\stackrel{\sim}{\mathbb{A}}$	14	LCT1607-001A-A	INST BOOK	French	
	15	BT-51034-1Q	REGIST. CARD	Trenen	
	16	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	17	BT-52006-2Q	WARRANTY CARD	•	